

THOMAS R. SMITH, ESQ.
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September 27, 2013

VIA ELECTRONIC and FIRST CLASS MAIL

Beverly Kolenberg, Esq.
Assistant Regional Counsel
Office of Regional Counsel
U.S. Environmental Protection Agency
290 Broadway, 7th Floor
New York, NY 10007-1866

Re: *New Cassel/Hicksville Ground Water Contamination Super Fund Site
Response to Request for Information under CERCLA § 104(e)*

Dear Ms. Kolenberg:

We are attorneys for Barouh Eaton Allen Corp. ("BEAC"). We enclose BEAC's response to EPA's request for information under CERCLA § 104(e) relating to BEAC's property located at 118-130 Swalm Street.

Very truly yours,

BOND, SCHOENECK & KING, PLLC



Thomas R. Smith

TRS/kjd
Enclosure

cc: Jennifer LaPoma (w/enc.)
Robert Barouh (w/enc.)

BAROUH EATON ALLEN CORP.

**RESPONSE TO EPA 104(e)
REQUEST FOR INFORMATION**

**NCIA/Hicksville Groundwater
Contamination Site**

1. a. Barouh Eaton Allen Corp. ("BEAC")
67 Kent Avenue
Brooklyn, New York 11249

b. Robert Barouh
Barouh Eaton Allen Corp.
67 Kent Avenue
Brooklyn, New York 11249

c. Incorporated in NYS April 4, 1955

Agents:
Robert Barouh
Barouh Eaton Allen Corp.
67 Kent Avenue
Brooklyn, New York 11249

William Ife- Esq.
c/o BEAC
1140 Franklin Avenue
Suite 214
Garden City, NY 11530

d. Not applicable

2. 118-130 Swalm Street
Westbury, New York 11590
Section 11, Block 164, Lots 19-29, 58-65
County of Nassau

3. a-f. BEAC acquired fee title to the property by deed dated November 1, 1979. BEAC has no personal knowledge of the operations at the property prior to that time.

The property consists of two conjoined buildings – 118 Swalm Street and 130 Swalm Street.

From 1977 to 1980, the 118 Swalm Street building was leased to Louis Jordan Labs (“LJL”), a company unrelated to BEAC. BEAC understands that LJL was a manufacturer of vitamin capsules, cough syrup, and cream formulations.

Beginning on or about 1977, Varitek Machine Co., Inc. (“Varitek”), a related entity, utilized the 130 Swalm Street building for the assembly of machines, such as spoolers, coaters, cutters and slitters, to be sold to BEAC in Brooklyn.

After LJL Labs vacated the 118 Swalm Street portion of the property in 1980, Varitek then occupied that portion of the property and continued its assembly of machines until approximately 1992. Subsequently Varitek ceased operations and the machine shop fixtures and equipment were transferred to BEAC in Brooklyn.

The premises remained empty and unused until approximately May 1994, when Liqui-Mark Corporation, a company unrelated to BEAC, leased 118-130 Swalm Street from BEAC. Liqui-Mark is a manufacturer of magic markers, highlighters, pens and other writing instruments. It occupied the property from 1994 to 2005. The property has been vacant

since that time. On information and belief, Liqui-Mark is now located at 30 Davids Drive, Hauppauge, New York 11788.

According to information obtained from the New York State Department of Environmental Conservation ("NYSDEC"), from 1971-1974, a company known as All Record Distributors operated at the property, and from 1975 to 1977, a company known as Allomatic Industries operated at the property.

In its October 2003 Record of Decision for Operable Unit 3 for the New Cassel Industrial Area, NYSDEC erroneously reported that Allomatic Industries ¹operated at the property from 1979 to 1992. This statement is contrary to the information in DEC's own file which states that Allomatic Industries operated at the property from 1975-1977, as shown by the documents provided by DEC with a letter dated September 5, 1997 responding to a FOIL request, a copy of which is included in **Exhibit A**. At no time during the period 1979-1992 was Allomatic Industries operating at the property.

Further, the DEC's ROD for the 118-130 Swalm Street Site, dated March 2004, also erroneously reported that Atlas Graphics was a tenant of BEAC at the property on or about 1985, but this statement is misleading and inaccurate. Atlas Graphics did not perform any manufacturing operations at 118-130 Swalm Street, and merely relocated office operations to the property for approximately six weeks after a fire at its

¹ On information and belief, Allomatic Industries has a documented history of discharges of chlorinated VOCs at their premises in Queens County.

premises located at 567 Main Street. (See letter dated June 6, 2008 from Richard Degenhardt to Jeanna E. Hussey included in Exhibit A.)

- g. Available documents responsive to this request are attached as

Exhibit A.

- 4. a-b. Available maps and facility diagrams are attached as **Exhibit B.**

- c. There are no current chemical or industrial hazardous substance storage, transfer, spill and disposal areas.

Records indicate that there were five underground storage tanks, believed to have been installed in 1983, that stored ethyl acetate, methyl ethyl ketone, naphtha and isopropyl alcohol. These tanks were closed in place in 1990 by filling them with a concrete slurry.

According to documents obtained from the Nassau County Department of Health ("NCDOH"), during LJL's occupancy of 118 Swalm Street in 1979, it is believed that LJL discharged chemical wastes to one or more cesspools (leaching pools) via sinks and drains. Four leaching pools have been identified on the property; three servicing the north side (130 Swalm Street) of the building, and one servicing the south side (118 Swalm Street) of the building. These leaching pools have been out of service since approximately 1980 when the site was connected to the municipal sewer. Documents supporting the information described in this paragraph are attached as **Exhibit C.**

- 5. BEAC did not conduct operations at the property at any time:

A related company, Varitek, conducted machine assembly operations at 130 Swalm Street from approximately 1977 to 1992.

BEAC was the lessor of 118 Swalm Street to LJJ from approximately 1979 to 1980, and subsequent to LJJ's departure, Varitek conducted machine assembly operations at 118 Swalm Street from approximately 1981-1992.

BEAC was the lessor of 118-130 Swalm Street to Liqui-Mark, Inc. from approximately 1994 to 2005.

As noted in paragraph 3 above, Atlas Graphics occupied office space for about six weeks in 1985, but conducted no manufacturing operations at the premises.

No operations have been conducted at the property since 2005, except that a paved exterior portion of the property north of the building is currently leased for vehicle parking to Commercial Concrete Corp. located at 120 Rushmore Street, Westbury, New York.

6. a. BEAC has no knowledge of any use, storage, generation or handling of trichloroethylene (TCE), tetrachloroethylene (PCE), or 1,1,1-trichloroethane (1,1,1-TCA) at the property, except that anecdotal information suggests that LJJ may have used a TCA-dip to remove mineral oil from soft gelatin capsules, but this has not been confirmed. Documents record that methyl ethyl ketone, naphtha, ethyl acetate, isopropyl alcohol, and methylene chloride were stored along with other materials as listed in **Exhibit D** attached. Materials used by Liqui-Mark are listed in the documents attached as **Exhibit E**.

- b. BEAC lacks knowledge of the specific time period that these materials were used or the annual volumes used.
 - c. BEAC lacks knowledge as to how the materials identified were used, stored, handled, or received, except as described generally above.
7. BEAC lacks knowledge as to how any industrial wastes were disposed, except that according to the NCDOH, during LJJ's tenancy at 118 Swalm Street, some VOCs may have been discharged by LJJ to leaching pools via sinks or drains. All use of the leaching pools was discontinued in 1980 when the facility was connected to the municipal sewer system. This sewer system was in use during the period Varitek occupied the 118 Swalm Street portion of the property. A sediment sample obtained from a central trench drain in 2001 by Enviroscience Consultants, Inc. and analyzed for VOCs by EPA Method 8260 found no detectible VOCs. Samples taken from within the leaching pools in 1999 showed that none contained VOCs that exceeded NYSDEC Soil Cleanup Objectives.
8. Except as described above, BEAC has no knowledge of the intentional or unintentional disposal of industrial wastes at the property. BEAC has no knowledge of any use or disposal of TCE, PCE or 1,1,1-TCA at the property, and the only knowledge of other chlorinated compounds used at the property is the information contained in the attached exhibits.
9. BEAC lacks knowledge of any leaks, spills, or releases into the environment, except for the possible disposal of industrial waste into leaching pools by LJJ as described above.

10. BEAC is not aware of any repairs or construction to address leaks, spills, releases or threat of releases, other than (a) the connection to the municipal sewer system in 1980; (b) the closure of underground storage tanks in 1990; and (c) the filling in of the trench drain in the building.

Copies of reports of environmental assessments of the property performed for BEAC are attached as **Exhibits F, G, H, and I**.

In a Site Investigation Report (Final) for the New Cassel Industrial Area Site dated February 1995 prepared for the DEC by Lawler, Matusky & Skelly Engineers, the consultants found that the location of the BEAC property, within Block 164, lots 19-29, 58-65 was in an area "free of significant (greater than 100 ppb total PCEs, TCAs, or BTEX) VOC groundwater contamination" (p. 6-6), and recommended that this portion of the western section be "delisted" from the New York State Registry of Inactive Hazardous Waste Disposal Sites (p. 7-4).

Excerpts from this report are attached as **Exhibit J**. Subsequently, the 118-130 Swalm Street property was added to the Registry as Site No. 1-30-043P, but in 2004 the DEC issued a Record of Decision that selected no remedial action, with continued groundwater and soil vapor monitoring as the appropriate action for the site. The ROD found that "This site does not present a current or potential threat to public health or the environment," and concluded that "the site does not require remediation." **The ROD also stated that DEC would reclassify the site to a Class 4 site on the Registry**, although DEC has to date failed to take this action, without explanation. Excerpts from the 2004 ROD are attached as **Exhibit K**. Subsequent groundwater sampling (2008, 2009 and 2010) has

shown that all VOCs are below New York State groundwater standards, with the exception of PCE in one downgradient well (MW-3) at relatively low levels, ranging from 12-17 micrograms per liter. See **Exhibit L**.

11. At this time, BEAC has not located any insurance policies that may potentially indemnify it against any liability (which liability is expressly denied) that may be found to have for releases and threatened releases of hazardous substances at and from the property.
12. Persons who may have knowledge regarding the use, storage, generation, disposal or handling of industrial wastes at the site, the transportation of materials to the Site, or the identity of any companies whose material was treated or disposed at the Site, include:

Robert Barouh
Barouh Eaton Allen Corporation
67 Kent Avenue
Brooklyn, New York 11249
Tel. No. 718-782-2601

Robert Barouh has no personal knowledge of activities or operations at 118-130 Swalm Street Westbury, NY. Information provided has been obtained from documents and anecdotal information provided by the founder of BEAC, Victor Barouh (deceased October 6, 2008).

George Rotman
Former BEAC employee
Last known address:
1935 Decatur Avenue
North Belmore, New York 11710

George Rotman- presumed personal knowledge of activities or operations at 118-130 Swalm Street, Westbury, NY from his employment with BEAC.

Jules Speciner
Former BEAC Employee
Current address/contact information unknown

Jules Speciner-presumed knowledge obtained from documents and anecdotal information provided by Victor Barouh.

Carl Seiber
Former Varitek employee
Current address/contact information unknown

Carl Seiber-presumed knowledge of Varitek operations at 118-130 Swalm Street Westbury, NY.

13. Based upon environmental investigations at and in the vicinity of the property, environmental contamination with chlorinated volatile organic compounds appears to have originated north (upgradient) of the property and migrated onto and through the property. See **Exhibit I**. The DEC's ROD dated March 2004 noted that "VOC levels in on-site soils are insufficient to account for [the] level of ground water contamination," and based on data from upgradient monitoring wells concluded "this may be indicative of an upgradient contaminant source."
14. These responses have been prepared by counsel based upon a review of available documents.

CERTIFICATION OF ANSWERS TO REQUEST FOR INFORMATION

State of

County of Kings:

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document (response to EPA Request for Information regarding the New Cassel/Hicksville Site) and all documents submitted herewith, and that I believe that the submitted information is true, accurate, and complete, and that all documents submitted herewith are complete and authentic unless otherwise indicated. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I am also aware that I am under a continuing obligation to supplement my response to EPA's Request for Information if any additional information relevant to the matters addressed in EPA's Request for Information or my response thereto should become known or available to me.

Robert Baruch

NAME (print or type)

President

TITLE (print or type)

Robert Baruch

SIGNATURE

Sworn to before me this

27 day of Sept, 2013

[Signature]
Notary Public

KATHLEEN KORZENKO
NOTARY PUBLIC, State of New York
No. 24-4954996
Qualified in Nassau County
Commission Expires Mar 24 2014

EXHIBIT A

SEC. 11

Block 164

L.I. R.R.

AVE.

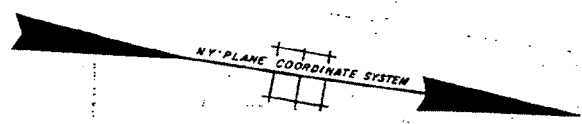
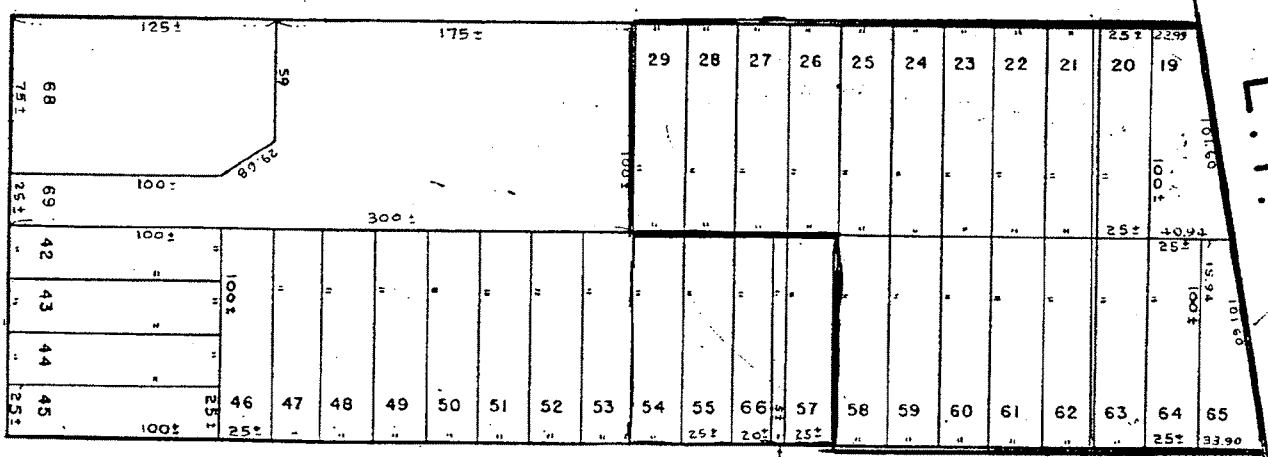
SWALM

ST.

RUSHMORE

MAIN

ST.



NASSAU COUNTY COMMERCIAL PROPERTY RECORD CARD

CARD NO.

SECTION 11 BLK 164 LOT 19-29,58-65 CONDO RUGS CONDO UNIT TOWN SU 1 1 CP 1 HISTORY NOTE

PROPERTY ADDRESS 118 SWALM AVE

OWNERS NAME

BAROUH EATON ALLEN CORP

ASSESSED LAND 58520 ASSESSED TOTAL 101900

1-2-3-15-30-48-66-39-52-S

776 -4 101900

NYS EX CODE

PROPERTY USE CODE 710 34

CAD 285
VILLAGE
ZONING 1-8
RATE 776
VIDEO # 19256

DATE OF LAST SALE
AMOUNT OF SALE
LIBER & PAGE

1998 ASSESSMENT ROLL
CARD PRINTED JUL-25-97
ROLL LIBR & PG 10092-071

CHANGE DATE & TIME 11/13/95
CHANGE ORDER # A-031086

LAST MAINT DATE 2/20/86

REASON L/B: 1-68

SITE DATA AND VALUATION

SUB	TYP	OCC	RTG	SIZE	RATE	DF	ADJUSTMENTS	EST VALUE
0	L	522	3	282X 100	2000	100		564000
0	L	522	3	200X 100	2000	100		400000

TOTAL 964000

STREET TYPE
N 1- - -
3- - -

ASSOCIATED PARCELS & OCC
2- - -
4- - -

VALUE INDICATIONS

1	RCNLD	1678700	---
2	INCAP	1273800	100
3	GROSS	1324500	---
4	COMPS	1275100	---
	LAND ALLOC	731500	

CORRELATED VALUE

1273800
ASSESSED LAND
58520
ASSESSED TOTAL
101900

BUILDING DATA

01 BUILDING ID: 1
02 MAX STY HGT 1.0
03 FLOOR KEY F
04 # FLOORS 1.0
05 OCCUPANCY: 522
06 RENT. UNITS 2
07 STRUC CLASS C
08 EXT WALLS 8
09 HEATING/AC 90
10 QUAL GRADE C
11 1 GFA 28645
12 TOTAL GFA 28645
13 FLOOR HGT 18
14 L/F WALLS 786
15 BSMT FLR%
16 BSMT UTIL
17 YEAR NEW 1963
18 YEAR RENOV
19 RENOV RTG
20 CONDITION G
21 OBS AGE 20
22 STATUS 0
23 P/A RATIO 2.74
24 F ADJ AREA 28645
25 F APPL RATE 33.21
26 U ADJ AREA
27 U APPL RATE
28 TOT WGT FAC 1.00
29 CST/DSN FAC

SALE DATE	SALE PRICE	BOOK	PAGE	D	C	S	NP	V
/	/	/	/				00	00

INCOME ESTIMATE

#	OCC	FLR	FIN	NO	OF	UNITS	TAI	S	ECON	RENT	XP
1	522	N	U11	28645	GFA	4	X	7.25	15		

LT. MFG. & PROCESSING

EST. EFFECTIVE GROSS INCOME	207676
ESTIMATED NET INCOME (AVE 85.0 %)	176525
GAP .153 (.103 + .050) IND VALUE	1153800
GRM 5.800 IND VALUE	1204500

NOTES
MANUFACTURING; VARITEC MACHINE CO.

MARKET VALUE

ADJUSTMENTS	CODE	AMOUNT
(1)	120000	
(2)		
(3)		
(4)		
(5)		

FACTOR

1 +ADD LND 6 -TO CURE
2 +ADD IMP 7 -TOT ADDN
3 +ADD L&I 8 -OT EXCL
4 -ALLOCTN 9 -INCOMRL
5 -NON-TAX

IMPROVEMENT VALUATION

ITEM	RCN	CF	RCNLD
1	951300	70%	665910
YI	97558		48779
TOTAL	1048858		714700

SPECIAL FEATURES, COST REFINEMENTS AND

BID	CD	UNITS	TYP	DESCRIPTION	Q	C
0	410	360	606	CHNLNK FNC STD GGE-6	C	3
0	412	028-10	PC8	OTH FNC NEC-CB PLAIN	C	3
0	118	28645	WP6	SPRKL R WP - GROUP 6	C	3
0	401	15000	BTP	YARD PAVING-BLACKTOP	C	3

PROPERTY RECORD SOURCE DOCUMENT

06 CONSTRUCTION CHECKLIST									
BUILDING					FINISH TYPE				
SECTION					SECTION				
EXTERIOR WALLS					FINISH TYPE				
01	COMMON BRICK				04	RENDER			
02	SACK BRICK				05	RENDER INSIDE			
03	STONE				06	FINISHED OPEN			
04	POURED CONCRETE				07	FINISHED WOOD			
05	PRECAST CONCRETE				WALL FINISH				
06	WTL & GLASS PANELS				09	PLASTER OR CRACK			
07	STUCCO				10	WOOD PAPERING			
08	WOOD SIDING				11	PAINTED CASSETTY			
09	ALUM/VINYL SIDING				12	UNFINISHED			
10	OTHER SIDING				CEILING				
11	WALL COVERING				13	ALUMINUM W/PLY			
12	CANALY FIBERGLASS				14	PLASTER OR DRYWALL			
13					15	UNFINISHED			
ROOF TYPE					FLOOR FINISH				
16	FLAT				16	UNFINISHED			
17	W/ OR GABLE				17	WOOD			
18	W/ GABLE				18	WOOD CARPETING			
19	ARCHED				19	COMPOSITION TILE			
ROOF MATERIAL					ROOF MATERIAL				
20	COMPOSITION (P.O.)				20	TERAZZO			
21	SLATE				21	CERAMIC TILE			
22	SLATE/TILE				22	CHIMNEY TILE			
23	COMPOSITION SHINGLE				23	SHALE/PLASTER			
24	WOOD SHINGLE				24	SHALE			
ROOF MATERIAL					HEATING & A/C				
25	CONCRETE DECK				25	FORCED AIR			
26	METAL DECK				26	HOT WATER/HEAT			
27	WOOD DECK				27	ELECT. HEATING			
28	CONCRETE FRAME				28	WATER UNIT HEAT			
29	METAL FRAME				BSMT./GROUND FLOOR				
30	WOOD FRAME				30	NO HEATING SYSTEM			
BSMT./GROUND FLOOR					BSMT./GROUND FLOOR				
31	CONCRETE				31	CERAMIC A/C			
32	PAVING BRICK				32	ROOM A/C UNITS			
33	EARTH				LIGHTING				
STRUCTURAL FLOORS					LIGHTING				
34	POURED CONCRETE				34	SUBSTANDARD			
35	PRECAST CONCRETE				35	TYPICAL			
36	WOOD SUB				PLUMBING				
37	COMPLETE JOIST				37	SUBSTANDARD			
38	STEEL JOIST				38	TYPICAL			
39	WOOD JOIST								

07 SITE DATA									
01	STREET TYPE		N - NEIGHBORHOOD	A - ARTERIAL	C - CLU-DE-SAC				
02	SUB TYPE	P - OCC - S	RTG	SIZE	RATE	ADJUSTMENT	ASSOC. PARCEL D. & OCC		
03									
04									
05									
ADJUSTMENT CODES: E - EXCESS FRONTAGE (+) F - L/S FRONT (+) G - CORNER LOT (+) H - SHARED (+) I - V - VILAGE (+) J - UNDEVELOPED (+) K - MISIMPROVED (+)									
08 BUILDING DATA									
01	BUILDING ID	(3)							
02	MAX STORY HGT	(2, 1)							
03	FLOOR KEY	(1)							
04	# FLOORS	(2, 1)							
05	OCCUPANCY	(3)							
06	RENTABLE UNITS	(3)							
07	STRUCTURE CLASS	(1)							
08	EXT WALLS	(2)							
09	HTG/A/C	(2)							
10	Q GRADE	(1)							
11	T/GFA	(8)							
12	TOTAL GFA	(7)							
13	FLOOR HGT	(2)							
14	L/P WALLS	(6)							
15	BSMT FLOOR %	(2)							
16	BSMT UTILITY	(1)							
17	YEAR NEW	(2)							
18	YEAR RENOV	(2)							
19	RENOV RANG	(1)							
20	CONDITION	(2)							
21	CONSERVED AGE	(2)							
22	STATUS	(1)							
09 SPECIAL FEATURES - COST REFINEMENTS - MISC. IMPROVEMENTS									
BLDG	FEATURE	COST	UNIT OF MEASURE	TYPE	GRADE	LAND	RATE	RCN	
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10 SPACE ALLOCATION									
FLOOR	OCCUPANCY	CODE	FLOOR	NO. OF UNITS	TYPE	SA	STAT		
01									
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11 RENTAL & GROSS SALES DATA									
FLOOR	OCC	FLOOR	NO. OF UNITS	TYPE	SA	RENTAL RATE	OF	YR	TRM
01									
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130 Swalm Street • Westbury, NY 11590-4820
Phone (516) 333-5100 • Fax (516) 333-5396
Customer Service 1-800-486-9005
May 26, 1999

Barouh Eaton Allen Corp.
67 Kent Ave.
Brooklyn, N.Y. 11211

Att: Mr. Vic Barouh

Re: Renewal Option of Lease at Swalm Street, Westbury, N.Y.

Dear Vic:

As per our agreement, Liqui-Mark Corp. is renewing the lease with Barouh Eaton Allen Corp. for the first year of the Five (5) one-year options, as per paragraph 19a of the existing lease dated and Signed on May 12, 1994. The following amendments are added to the lease:

- 1) Term of first one year option is June 1, 1999 to May 31, 2000 with the options for the existing four (4) individual years in effect as per paragraph 19a.
- 2) Tenant shall pay an annual rent of \$140,250.00 in twelve monthly installments as follows: \$11,687.50 per month from June 1, 1999 to May 31, 2000.
- 3) Due to the existing testing being done on the outside of the premises so that said premises will comply with EPA standards; should it be required that testing be conducted inside the premises, the Landlord will not be responsible for any of Tenants loss of production that may result from such testing.
- 4) All other terms and conditions of the existing lease between the Landlord and Tenant, dated and signed on May 12, 1994, shall apply.

If all of the above meets with your approval, please sign where indicated and return a copy to me.

Liqui-Mark Corp.

By: 
Stuart Goodman

Barouh Eaton Allen Corp.

By: _____
Victor Barouh

This Agreement BETWEEN

BAROUH EATON ALLEN CORP., a New York Corporation with offices at 67 Kent Avenue,
Brooklyn, New York

as Landlord

and

LIQUID-MARK CORP., a New York Corporation with offices at 130 Swalm Street Westbury, New
York

as Tenant

Witnesseth: The Landlord hereby leases to the Tenant the following premises:

130 Swalm Street, Westbury, New York and 118 Swalm Street, Westbury, New York

for the term of **One (1) Year**

to commence from the **1st** day of **June** **1999** and to end on

the **31st** day of **May**, **2000** to be used and occupied only for

the manufacturing, storage and warehousing in connection with tenant's business.

Upon the conditions and covenants following:

1st. That the Tenant shall pay the annual rent of **ONE HUNDRED FORTY THOUSAND
TWO HUNDRED FIFTY DOLLARS (\$140,250.00)**

Said rent to be paid in equal monthly payments in advance on the **First** day of each and every
month during the term aforesaid, as follows: **\$11,687.50 per month from June 1, 1999 to May
31, 2000.**

2nd. That the Tenant shall take good care of the premises and shall, at the Tenant's own cost and expense
make all repairs with the exception of structural repairs caused by fire, flooding, earthquake, or windstorm,
which is covered by an insurance policy the Landlord has in effect, unless such is created by the Tenant.

3rd. That the tenant shall promptly execute and comply with all statutes, ordinances, rules, orders,
regulations and requirements of the Federal, State and Local Governments and any and all their
Departments and Bureaus applicable to said premises, for the correction, prevention, and abatement of
nuisances or other grievances, in, upon or connected with said premises during the term, and shall also
promptly comply with and execute all rules, orders and regulations of the New York Board of Fire
Underwriters, or any other similar body, at the Tenant's own cost and expense.

4th. That the Tenant, successors, heirs, executors or administrators shall not assign this agreement, or
underlet or underlease the premises, or any part thereof, or make any alterations on the premises, without
the Landlord's consent in writing; or occupy, or permit or suffer the same to be occupied for any business
or purpose deemed disreputable or extra-hazardous on account of fire, under the penalty of damages and
forfeiture, and in the event of a breach thereof, the term herein shall immediately cease and determine at the
option of the Landlord as it were the expiration of the original term.

5th. In case of damage, by fire or other cause, to the building in which the leased premises are located,
without the fault of the Tenant or the Tenant's agents or employees, if the damage is so extensive as to
amount practically to the total destruction of the leased premises or of the building, or if the Landlord shall
within a reasonable time decide not to rebuild, this lease shall cease and come to an end, and the rent shall
be apportioned to the time of damage. In all other cases where leased premises are damaged by fire
without the fault of the Tenant or of Tenant's agents or employees the Landlord shall repair the damage

with reasonable dispatch after notice of damage, and if the damage has rendered the premises untenable, in whole or in part, there shall be apportionment of the rent until the damage has been repaired. In determining what constitutes reasonable dispatch consideration shall be given to delays caused by strikes, adjustment of insurance and other causes beyond the Landlord's control.

6th. The said Tenant agrees that the said Landlord and the Landlord's agents and other representatives shall have the right to enter into and upon said premises, or any part thereof, at all reasonable hours for the purpose of examining the same, or making such repairs or alterations therein as may be necessary for the safety and preservation thereof.

7th. The Tenant also agrees to permit the Landlord or the Landlord's agents to show the premises to persons wishing to hire or purchase the same; and the Tenant further agrees that on and after the sixth month, next preceding the expiration of the term hereby granted, the Landlord or the Landlord's agents shall have the right to place notices on the front of said premises, or any part thereof, offering the premises "To Let" or "For Sale", and the Tenant hereby agrees to permit the same to remain thereon without hindrance or molestation.

8th. That if said premises or any part thereof shall be deserted or become vacant during said term, or if any default be made in the payment of the said rent or any part thereof, or if any default be made in the performance of any of the covenants herein contained, the Landlord or representatives may re-enter the said premises by force, summary proceedings or otherwise, and remove all persons therefrom, without being liable to prosecution therefor, and the Tenant hereby expressly waives the service of any notice in writing of intention to re-enter, and the Tenant shall pay at the same time as the rent becomes payable under the terms hereof a sum equivalent to the rent reserved herein, and the Landlord may rent the premises on behalf of the Tenant, reserving the right to rent the premises for a longer period of time than fixed in the original lease without releasing the original Tenant from any liability, applying any moneys collected, first to the expense of resuming or obtaining possession, second to restoring the premises to a rentable condition, and then to the payment of the rent and all other charges due and to grow due to the Landlord, any surplus to be paid to the Tenant, who shall remain liable for any deficiency.

9th. Landlord may replace, at the expense of Tenant, any and all broken glass in and about the premises, Landlord may insure, and keep insured, all plate glass in the premises for and in the name of Landlord, Bills for the premiums therefor shall be rendered by Landlord to Tenant at such times as Landlord may elect, and shall be due from and payable by the Tenant when rendered, and the amount thereof shall be deemed to be, and be paid as, additional rental. Damage and injury to the said premises, caused by carelessness, negligence or improper conduct on the part of the said Tenant or the Tenant's agents or employees shall be repaired as speedily as possible by the Tenant at the Tenant's own cost and expense.

10th. That the Tenant shall neither encumber nor obstruct the sidewalk in front of, entrance to, or halls and stairs of said premises, nor allow the same to be obstructed or encumbered in any manner.

11th. The Tenant shall neither place, or cause or allow to be placed, any sign or signs of any kind whatsoever at, in or about the entrance to said premises or any other part of same, except in or at such place or places as may be indicated by the Landlord and consented to by the Landlord in writing. And in case the Landlord or the Landlord's representatives shall deem it necessary to remove any such sign or signs in order to paint the said premises or the building wherein same is situated or make any other repairs, alterations, or improvements in or upon said premises or building or any part thereof, the Landlord shall have the right to do so, providing the same be removed and replaced at the Landlord's expense, whenever the said repairs, alterations or improvements shall be completed.

12th. That the Landlord is exempt from any and all liability for any damage or injury to person or property caused by or resulting from steam, electricity, gas, water, rain, ice or snow, or any leak or flow from or into any part of said building or from any damage or injury resulting or arising from any other cause or happening whatsoever unless said damage or injury be caused by or be due to the negligence of the Landlord.

13th. That if default be made in any of the covenants herein contained, then it shall be lawful for the said Landlord to re-enter the said premises, and the same to have again, re-possess and enjoy. The said Tenant hereby expressly waives the service of any notice in writing of intention to re-enter.

14th. That this instrument shall not be a lien against said premises in respect to any mortgages that are now on or that hereafter may be placed against said premises, and that the recording of such mortgage or mortgages shall have preference and precedence and be superior and prior in lien of this lease, irrespective of the date of recording and the Tenant agrees to execute any such instrument without cost, which may be deemed necessary or desirable to further effect the subordination of this lease to any such mortgage or mortgages, and a refusal to execute such instrument shall entitle the Landlord, or the Landlord's assigns and legal representatives to the option of canceling this lease without incurring any expense or damage and the term hereby granted is expressly limited accordingly.

\$800.00



[Handwritten signature]

15th. The Tenant has this day deposited with the Landlord the sum of \$8 as security for the full and faithful performance by the Tenant of all of the terms, covenants and conditions of this lease upon the Tenant's part to be performed, which said sum shall be returned to the Tenant after the time fixed as the expiration of the term herein, provided the Tenant has fully and faithfully carried out all of said terms, covenants and conditions on Tenant's part to be performed. In the event of a bona fide sale, subject to this

lease, the Landlord shall have the right to transfer the security to the vendee for the benefit of the Tenant and the Landlord shall be considered released by the Tenant from all liability for the return of such security; and the Tenant agrees to look to the new Landlord solely for the return of the said security, and it is agreed that this shall apply to every transfer or assignment made of the security to a new Landlord.

16th. That the security deposited under this lease shall not be mortgaged, assigned or encumbered by the Tenant without the written consent of the Landlord.

17th. It is expressly understood and agreed that in case the premises shall be deserted or vacated, or if default be made in the payment of the rent or any part thereof as herein specified, or if, without the consent of the Landlord, the Tenant shall sell, assign, or mortgage this lease or if default be made in the performance of any of the covenants and agreements in this lease contained on the part of the Tenant to be kept and performed, or if the Tenant shall fail to comply with any of the statutes, ordinances, rules, orders, regulations, and requirements of the Federal, State and Local Governments or of any and all their Departments and Bureaus, applicable to said premises, or if the Tenant shall file or there be filed against Tenant a petition in bankruptcy or arrangement, or Tenant be adjudicated a bankrupt or make an assignment for the benefit of creditors or take advantage of any insolvency act, the Landlord may, if the Landlord so elects, at any time thereafter terminate this lease and the term hereof, on giving to the Tenant five days' notice in writing of the Landlord's intention to do so, and this lease and the term hereof shall expire and come to an end on the date fixed in such notice as if the said date were the date originally fixed in this lease for the expiration hereof. Such notice may be given by mail to the Tenant addressed to the premises. Prior to exercising Landlord's right to terminate the lease, Landlord shall give Tenant prior written notice affording Tenant a thirty (30) day period to cure or commence to cure a default provided thereafter Tenant shall diligently pursue to remedy said default.

18th. Tenant shall pay to Landlord the rent or charge, which may, during the demised term, be assessed or imposed for the water used or consumed in or on the said premises, whether determined by meter or otherwise, as soon as and when the same may be assessed or imposed, and will also pay the expenses for the setting of a water meter in the said premises should the latter be required. Tenant shall pay Tenant's proportionate part of the sewer rent or charge imposed upon the building. All such rent or charges or expenses shall be paid as additional rent and shall be added to the next month's rent thereafter to become due.

19th. That the Tenant will not nor will the Tenant permit undertenants or other persons to do anything in said premises, or bring anything into said premises, or permit anything to be brought into said premises or to be kept therein, which will in any way increase the rate of fire insurance on said premises or any part thereof, nor suffer or permit their use for any business or purpose which would cause an increase in the rate of fire insurance on said building, and the Tenant agrees to pay on demand any such increase.

20th. The failure of the Landlord to insist upon a strict performance of any of the terms, conditions and covenants herein, shall not be deemed a waiver of any rights or remedies that the Landlord may have, and shall not be deemed a waiver of any subsequent breach or default in the terms, conditions and covenants herein contained. This instrument may not be changed, modified, discharged or terminated orally.

21st. If the whole or any part of the premises shall be acquired or condemned by Eminent Domain for any public or quasi public use or purpose, then and in that event, the term of this lease shall cease and terminate from the date of title vesting in such proceeding and Tenant shall have no claim against Landlord for the value of any unexpired term of said lease. No part of any award shall belong to the Tenant.

22nd. If after default in payment of rent or violation of any other provision of this lease, or upon the expiration of this lease, the Tenant moves out or is dispossessed and fails to remove any trade fixtures or other property prior to such said default, removal, expiration of lease, or prior to the issuance of the final order or execution of the warrant, then in that event, the said fixtures and property shall be deemed abandoned by the said Tenant and shall become the property of the Landlord.

23rd. In the event that the relation of the Landlord and Tenant may cease or terminate by reason of the re-entry of the Landlord under the terms and covenants contained in this lease or by the ejectment of the Tenant by summary proceedings or otherwise, or after the abandonment of the premises by the Tenant, it is hereby agreed that the Tenant shall remain liable and shall pay in monthly payments the rent which accrues subsequent to the re-entry by the Landlord, and the Tenant expressly agrees to pay as damages for the breach of the covenants herein contained, the difference between the rent reserved and the rent collected and received, if any, by the Landlord during the remainder of the unexpired term, such difference of deficiency between the rent herein reserved and the rent collected if any, shall become due and payable in monthly payments during the remainder of the unexpired term, as the amounts of such difference or deficiency shall from time to time be ascertained; and it is mutually agreed between Landlord and Tenant that the respective parties hereto shall and hereby do waive trial by jury in any action, proceeding or counterclaim brought by either of the parties against the other on any matters whatsoever arising out of or in any way connected with this lease, the Tenant's use or occupancy of said premises, and/or any claim of injury or damage.

24th. The Tenant waives all rights to redeem under any law of the State of New York.

25th. This lease and the obligations of Tenant to pay rent hereunder and perform all of the other covenants and agreements hereunder on part of Tenant to be performed shall in nowise be affected, impaired or excused because Landlord is unable to supply or is delayed in supplying any service expressly or impliedly

to be supplied or is unable to make, or is delayed in making any repairs, additions, alterations or decorations or is unable to supply or is delayed in supplying any equipment or fixtures if Landlord is prevented or delayed from so doing by reason of governmental preemption in connection with a National Emergency or in connection with any rule, order or regulation of any department or subdivision thereof of any governmental agency or by reason of the condition of supply and demand which have been or are affected by war or other emergency.

26th. No diminution or abatement of rent, or other compensation, shall be claimed or allowed for inconvenience or discomfort arising from the making of repairs or improvements to the building or to its appliances, nor for any space taken to comply with any law, ordinance or order of a governmental authority. In respect to the various "services", if any, herein expressly or impliedly agreed to be furnished by the Landlord to the Tenant, it is agreed that there shall be no diminution or abatement of the rent, or any other compensation, for interruption or curtailment of such "service" when such interruption or curtailment shall be due to accident, alterations or repairs desirable or necessary to be made or to inability or difficulty in securing supplies or labor for the maintenance of such "service" or to some other cause, not gross negligence on the part of the Landlord. No such interruption or curtailment of any "service" shall be deemed a constructive eviction. The Landlord shall not be required to furnish, and the Tenant shall not be entitled to receive, any such "services" during any period wherein the Tenant shall be in default in respect to the payment of rent. Neither shall there be any abatement or diminution of rent because of making repairs, improvements or decorations to the premises after the date above fixed for the commencement of the term, it being understood that rent shall, in any event, commence to run at such date so above fixed.

27th. Landlord shall not be liable for failure to give possession of the premises upon commencement date by reason of the fact that premises are not ready for occupancy or because a prior Tenant or any other person is wrongfully holding over or is in wrongful possession, or for any other reason. The rent shall not commence until possession is given or is available, but the term herein shall not be extended.

SEE RIDER ANNEXED HERETO AND MADE A PART HEREOF

And the said Landlord doth covenant that the said Tenant on paying the said yearly rent, and performing the covenants aforesaid, shall and may peacefully and quietly have, hold and enjoy the said premises for the term aforesaid, provided however, that this covenant shall be conditioned upon the retention of title to the premises by the Landlord.

And it is mutually understood and agreed that the covenants and agreements contained in the within lease shall be binding upon the parties hereto and upon their respective successors, heirs and administrators.

In Witness Whereof, the parties have interchangeably set their hands and seals (or caused these presents to be signed by their proper corporate officers and caused their proper corporate seal to be hereto affixed) this 2nd day of Dec, 1997

Signed, sealed and delivered

in the presence of

BAROUH EATON ALLEN CORP.

By: [Signature]

LIQUI-MARK CORP.

By: [Signature]

RIDER TO LEASE DATED June 17/2, 1999
BETWEEN BAROUH EATO ALLEN CORP., Landlord and Liquimark Corp., Tenant

1. The parties hereto acknowledge that no broker brought about this lease and the parties agree to indemnify and hold harmless each other from the claim of any broker on account thereof.
2. Tenant agrees at its sole cost and expense to keep the sidewalks, which are a part of, or immediately adjacent to the premises in good repair and free at all time, from any accumulation of ice, snow, debris, weeds, and under growth.
3. Tenant hereby agrees to bear the entire cost and expense of providing for each the following services as same shall be required in or for the premises: heat, hot water, janitorial service, garbage removal, gas, electricity, and burglar system.
4. roof
mural
window
door Tenant hereby agrees to bear the entire cost and expense of any and all repairs to the premises, including but not limited to structural repairs and repairs to the heating, ventilation, air conditioning systems as existing at the premises, and internal sprinkler system. caused by
tenant
building
5. If any mechanic's lien(s) shall be filed against the premises on account of work done or materials furnished to the Tenant, the latter shall, within thirty (30) days thereafter and at it's own expense, cause such liens to be discharged by filing the bonds required therefor. Should Tenant fail to remove such lien(s), Landlord may do so and bill Tenant the cost thereof, (including reasonable attorney's fees) as "additional rent" reserved hereunder.
6. All annexations to the premises made or installed by the Tenant or its agents in such a manner that their removal would cause damage to the premises shall, at the option of the Landlord, become and be the property of the Landlord and shall not thereafter be removed by the Tenant; provided, however, that should the Landlord, at its option, demand the removal from the premises of such annexations at the termination of this Lease or any extensions thereof, the Tenant shall remove same and restore the premises to their original condition as of the date of the commencement of this Lease or prior tenancy of the Tenant in he premises. Notwithstanding any provisions of this paragraph to the contrary, all trade fixtures shall be deemed the property of the Tenant and may be removed by it provided all damage or injury to the premises resulting therefrom shall be restored and/or repaired at the expense of the Tenant.
7. It is mutually covenanted and agreed that if the Landlord shall be compelled to pay any sum of money or shall be compelled to perform any act, which requires the payment of any sum of money, by reason of the failure of the Tenant to perform any one or more of the covenants contained herein, the sum or sums so paid by the Landlord, together with all interest, cost and damages,

shall, after thirty (30) days written notice and demand to the Tenant, be added to the rent installment next due as "additional rent" reserved hereunder.

8. There are no representations, warranties, terms or obligations between the parties, other than those expressed herein. No variation of this Lease shall be valid unless in writing and signed by the party to be charged thereby. Any holding over by Tenant after the term of this Lease shall be unlawful and in no manner constitutes a renewal or an extension of this Lease.
9. Tenant shall, at its own expense, procure and maintain in full force and effect during the entire term of this Lease, public liability insurance from a reputable insurance company licensed to do business in the State of New York, which policy(s) shall be in the aggregate sum of \$1,000,000.00, and which shall name both Landlord and Tenant as insureds thereby. Said policy(s) shall be evidenced by a certificate(s) deposited with the Landlord within fifteen (15) days of the commencement of this Lease. Upon the failure of Tenant to procure said policy(s) and/or deposit said certificate(s), Landlord shall be privileged to procure such insurance and the amount of the premiums therefor, if paid by the Landlord, shall be due and payable with the rent installment next due as "additional rent" reserved hereunder.
10. Landlord shall not be liable for and Tenant agrees to indemnify and hold harmless Landlord from and against any and all liability for damages or injury to person or property occurring at or around the premises unless written notice of any defect alleged to have caused such damage or injury shall have been given to Landlord a sufficient time before the occurrence of such damage or injury to have reasonably enabled the Landlord to correct such defect, is the responsibility of the Landlord to correct. Nothing herein contained shall impose any additional obligation on the Landlord to make such repairs.
11. Any notice by either party hereto to the other shall be deemed duly given only if in writing and delivered either personally or by certified mail, return receipt requested, addressed to the last known address of the party to receive such notice.
12. Anything to the contrary herein notwithstanding, Tenant is given permission to erect signs on the exterior of the premises provided:
 - a) Said sign shall comply with all rules and regulations of any governing authorities having jurisdiction thereover;
 - b) Said signs shall not interfere with the signs of any other tenant of Landlord adjacent to or in close proximity to the premises;
 - c) Said signs shall be installed without damage to the building of which the premises are a part;

d) Said signs shall be erected only in such places and manner as shall be approved in advance by the Landlord.

13. Landlord represents that it is the owner in fee of the building the premises are located. Landlord covenants that it has full right, power and authority to make this Lease, subject to the rights of the holder of mortgages, and that Tenant or any permitted assignee or sublease of Tenant (upon the payment of the rentals and performance of the covenants upon Tenant's part to be performed hereunder) shall and may peaceably and quietly have, hold and enjoy the premises and improvements thereon during the term or any renewal or extension hereof. That all mortgages affecting the premises are current and no default has been suffered.
14. Within ten (10) days after written request therefor by the Landlord or Tenant, Landlord or Tenant agree to execute and deliver to any prospective mortgagee or purchaser of the premises, Landlord or Tenant's acknowledged certification, in form for recording, certifying that this Lease is in full force and effect, if such be the case, or expressly setting forth such defenses or offsets as are claimed by the Landlord or Tenant. The failure of Landlord or Tenant to give timely written certification in accordance with this paragraph shall, in addition to any other remedy available to the Landlord or Tenant for default hereunder by the Tenant, constitute a waiver by the Tenant of any alleged defense and/or offset by the Landlord or Tenant with respect to this lease.
15. Whenever "additional rent" is received hereunder, same shall be collectible with the same remedies as if originally reserved as rent hereunder.
16. The term "Tenant" as used in this lease shall mean the original tenant and any undertenants, successors, heirs or assigns hereof.
17. In the event the Tenant does not vacate the premises upon the expiration date of this lease, or upon the expiration of any option, then and in that event or events, the Tenant shall remain as a month-to-month tenant at a monthly rental of the rent paid in the last month of the terms payable as aforesaid. The acceptance by the Landlord of such rental after termination of this lease shall not be construed as consent to continued occupancy.
18. This lease is transmitted for examination only and does not constitute an offer to lease, and this lease shall become effective only upon execution thereof by the parties thereto. This instrument contains the entire and only agreement between the parties, and no oral statements or representations or prior written matter not contained in this instrument shall have any force or effect. This Lease shall not be modified in any way except by writing subscribed by both parties.

19. If, during the term of this Lease or Tenant's occupancy of the premises, Landlord or any predecessor in title to the premises of which the premises are a part, is required to undertake the removal, clean-up, neutralization or any other affirmative act with respect to the presence or suspected presence at, or under said presence of hazardous, toxic or dangerous materials or substances, whether of the Landlord's own choice or as the result of a directive or order from any governmental authority or court having jurisdiction, the Tenant specifically acknowledges and agrees that any such action shall not be a breach of the covenant of quiet enjoyment of the premises so long as Landlord's clean-up efforts do not substantially interfere with Tenant's business operations. In the event Tenant is not reasonably able to conduct business operations during the clean-up as referenced herein, then Tenant will have the option to terminate this lease.
20. Provided that the Tenant is not in default under any of the terms and obligations under this Lease, Tenant will have the following option:
- a) Tenant will be granted five (5) one-year options to renew the lease so long as Tenant sends prior written notice not less than sixty (60) days from the expiration of the lease informing Landlord or Tenant's option to renew for a one-year period. The first one-year period will be from June 1, 2000 to May 31, 2001. The rent that Tenant would be required to pay for each renewal term will be based on and determined by any increases in taxes (County, State and/or Federal), that may be imposed by a tax collector.
21. Tenant agrees to pay as additional rent hereunder, during each tax year or portion thereof throughout the term of this Lease, an amount equal to 100% of any increases in real estate taxes for such tax year over the tax base year.
- a) Landlord shall advise Tenant by written statement of each change and the effective date thereof. The statement shall show Tenant's new monthly rental caused by such changes. To the extent that the change is relevant for a period for which Tenant had paid its monthly installments of the annual base rent and additional rent prior to receipt of such statement of change, a retroactive lump-sum payment shall be made to Landlord by Tenant.
 - b) Real Estate Taxes means the amount of annual real estate taxes, assessments, sewer rent rates and charges, county taxes, transit taxes, or any other governmental charge, general, special, ordinary or extraordinary which may now or hereinafter be imposed, levied, assessed and/or collected against the building and or land upon which it stands. If due to the method of taxation any franchise, income,

it stands. If due to the method of taxation any franchise, income, profit, or other tax, however designated, shall be levied against Landlord's interest in the property in whole or in part for or in lieu of any tax which would otherwise constitute real estate taxes, such method in charge of taxation shall be included in determining the excess real estate taxes over the tax base year (as hereinafter defined) for the purposes hereof.

- c) Tax Base Year means 1999 fiscal tax year of the County of Nassau.
- d) Tax Year means the fiscal year other than the tax base year for which real estate taxes are levied by the county of Nassau.

22. Due to the existing testing being done on the outside of the premises so that said premises will comply with EPA standards; should it be required that testing be conducted inside the premises, the Landlord will not be responsible for any of Tenants loss of production that may result from such testing.

23. The lease agreement, and any and all of the options contained herein, is only valid for Mr. Stuart Goodelman, in his capacity as Liqui-Mark President, and Liqui-Mark Corporation and cannot be subleased to any second party without the written approval of the Landlord. *his son*

BAROUH EATON ALLEN CORP.

By: *Stuart Goodelman*

LIQUI-MARK CORP.

By: _____

June 6, 2008

Richard Degenhardt
Atlas Graphics Inc
567 Main Street
Westbury, NY 11590-4811

Jeanna E. Hussey, Asst. Attorney General
New York State Office of the Attorney General
Environmental Protection Bureau
120 Broadway 26th Floor
New York, NY 10271
(212) 416-8455

Dear Ms. Hussey

Pursuant to our telephone conversation I am requesting a delay of twenty days to answer your summons, due to the fact that I have just received it. I currently reside in the state of Florida and I have been in travel status since the middle of May. Your paperwork just reached me.

I would like you to make note of the following corrections that are in your complaint, but are not factual.

1. I have never been the owner of San-ton Salvage & Towing, Inc.
2. 118-130 Swalm Street - I was a tenant at this location for a period of six weeks following a fire at 567 Main Street. Our company used it for office space only while our building was being repaired.
3. The President of Atlas Graphics Inc. at this time was Mr. Paul Van Heuvel who is also retired. He currently resides at 10104 King Oak Drive, Riverview, FL 33569.

Thank you for your help and consideration.

Sincerely yours



Richard Degenhardt
COMPLAINT CIV 03-5985

KO-REC-TYPE

April 29, 1997

N.Y.S. Department of
Environmental Conservation
50 Wolf Road
Albany, N.Y. 12233-7010

Attn: Robert L. Marino, Chief
Site Control Section
Bureau of Hazardous Site Control
Div. of Hazardous Waste Remediation

Re: DEC Site No. 130043P
118-138 Swalm Avenue
Westbury New York

Dear Mr. Marino:

We have received your undated letter, copy attached, with reference to the above property which has been owned by our company since late 1979.

I have no direct knowledge of any use of the property prior to our ownership except I believe it may have involved used automobiles or scrap auto parts which were found in the empty lot.

When purchased by our company, through a sister corporation, we operated a machine shop and built specialty machinery for our own use at our Brooklyn, New York factory manufacturing typewriter and printer ribbons.

When we no longer needed any additional machinery we discontinued the machine shop operation, transferred all of the machine shop fixtures and equipment to Brooklyn, and the building remained empty and unused for several years until it was leased (approximately one-half the building) to Liquimark, Inc., a manufacturer of pens and markers. It is my understanding that Liquimark, Inc. is in full compliance with all environmental requirements.

The purpose of this letter is to inform you of the history of the property, as far as is known to me. Frankly, I do not understand (a) the reason for our inclusion in the Registry of Inactive Hazardous Waste Disposal Sites in New York State, and (b) the practical effect of such action by your agency. Therefore I cannot reasonably be expected to take the action suggested in your letter to petition the Commissioner for deletion, modification, etc.

CANADA

6291 Ordan Drive, Mississauga, Ontario L5T 1G9
Tel.: (416) 670-1800 Fax: (416) 670-7685

USA

67 Kent Avenue, Brooklyn, NY 11211-1991
Tel.: (718) 782-2601 Fax: (718) 486-6340

IRELAND

Birr, Co. Offaly, Ireland
Tel.: 353-509-20506 / 20518 Fax 353-509-21212

Site Name: 118-138 Swalm Avenue Site
Site Number: 130043P
April 29, 1997

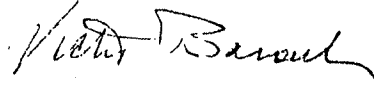
Page 2

Therefore, I now respectfully request you clarify your letter in such a way as to make more understandable the position of your agency and the ramifications as far as our company is concerned. If, in order for you to respond, you require additional information please advise and I will be pleased to provide the same to the fullest extent possible.

Thanking you in advance for your consideration and cooperation, I remain,

Respectfully yours,

BAROUH EATON ALLEN CORP.

A handwritten signature in dark ink, appearing to read "Victor Barouh", with a stylized flourish at the end.

Victor Barouh, C.E.O.

Part I

Company Name LOUIS JORDAN LABORATORIES LTD.		SIC (if known) Code	
Company Mailing Address 118 Swalm St. Westbury, N.Y.		Zip 11590	
Plant Name (if different)	Contact Name Joseph Riina	Tel. 333-2906	
Plant Address	Village	Water Distr.	Code Zip
Principal Business of Plant vitamin capsule, cough syrup + cream formulations + packaging		No. Employees at Facility 17	

Part II

COMPLETE LIST OF CHEMICALS USED (See attached)

PART III - DISCHARGE INFORMATION

WATER	1. Does your plant discharge liquid wastes to a municipally owned sanitary sewer system? If yes, name of system:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No			
	2. Is your facility permitted to discharge liquid wastes under a State (SPDES) or Federal (NPDES) permit? If yes, enter Permit No.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No			
	3. Do you discharge liquid industrial wastes in any other manner? If yes, explain:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No			
	4. If any of the above are yes: a. Do you discharge process or chemical wastes, i.e., water used in manufacturing, including direct contact cooling water and scrubber water? b. Do you discharge non-contact cooling water? c. Do you discharge sanitary wastes?	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No			
AIR	1. Does your facility have sources of possible emissions to the atmosphere?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No			
	2. Enter location and facility, code as shown on your Air Pollution Control Application for Permits & Certification (if applicable)					
SOLID & CONCENTRATED LIQUID WASTES	3. Heating System <input type="checkbox"/> None <input checked="" type="checkbox"/> Boiler <input checked="" type="checkbox"/> Space Heater	Type of Fuel <input type="checkbox"/> Electric <input checked="" type="checkbox"/> Gas <input type="checkbox"/> Oil	Incinerator <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
	1. List name and address of firm (incl. yourself) removing wastes other than office and cafeteria refuse (industrial scavenger)					
	<table border="1"> <tr> <td>Name G & G Carting - REFUSE</td> <td>Name</td> </tr> <tr> <td>Address 369-A DUFFY DR. HICKSVILLE, N.Y.</td> <td>Address</td> </tr> </table>			Name G & G Carting - REFUSE	Name	Address 369-A DUFFY DR. HICKSVILLE, N.Y.
Name G & G Carting - REFUSE	Name					
Address 369-A DUFFY DR. HICKSVILLE, N.Y.	Address					
PEST	2. List location(s) of landfills owned and used by your Facility		Active			
	a. b.		Inactive			
Does this facility manufacture, produce, formulate or repackage pesticides?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No			
Signature (owner, partner, or officer) Joseph Riina		Date 6/22/79				
Name (printed or typed) Joseph Riina		Title President				
Inspector's Name Joseph Schecter		Date of Inspection 6/22/79				

EH 651 4/77

RESIDENTIAL
ENVIRONMENT
INVESTIGATION

Nassau County
Department of Health

Date Opened 6/20/79	Reinspection Date(s)	LOCATION OF COMPLAINT	
If reopened, date of last inspection	1.	Address	118 Swalm St.
No. of mos.	2.	City or Town	Westbury
	3.	Census Tract	3042.01
	4.	Date Closed	Approved By
	5.	File	

ORIGIN ☒ Citizen complaint ☐ Survey (other than dwelling unit) ☐ Demolition ☐ DSS ☐ Other (specify)

COMPLAINANT		Name	
Mrs. Sikora (Holland Assoc.)		<input type="checkbox"/> Owner <input type="checkbox"/> Agent	
Address	Apt. #	Address	Apt. #
110 Swalm St.	118	118 Swalm St.	
City or Town	Tel.	City or Town	Tel.
Westbury	333 4486	Westbury	
Remises <input type="checkbox"/> Single <input type="checkbox"/> Two <input checked="" type="checkbox"/> Multiple Dwelling	Super.		
Shopping Center <input type="checkbox"/> Temp. Resid. <input type="checkbox"/> Vacant Lot <input checked="" type="checkbox"/> Other	Tenant Occup. <input type="checkbox"/> Owner Occup. <input type="checkbox"/> No. of Apts.		Rec'd by W.F.

NATURE OF COMPLAINT

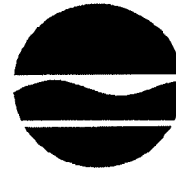
<input checked="" type="checkbox"/> Garbage or Refuse	<input type="checkbox"/> Housing	Specify overflow cesspool in front of store RAJU - plant Mg
<input checked="" type="checkbox"/> Overflowing Cesspools	<input type="checkbox"/> Plumbing	
<input type="checkbox"/> Insects & Rodents	<input type="checkbox"/> Hot Water	
<input type="checkbox"/> Animal Waste	<input type="checkbox"/> Other (specify)	

INSPECTION REPORT

Complainant Visited	Date: 6-21-79	Extermination	Extern.	<input type="checkbox"/> Referred by Supvrs. to Abatement Unit
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Home-Message Left		<input type="checkbox"/> None <input type="checkbox"/> Self <input type="checkbox"/> Company (specify)		

Date	COMMENTS AND ACTION TAKEN	Signature	Findings
6-21-79	Inspection revealed seepage coming out of side walk & into road. Spoke with Mr. Rajin (plant mgr) of Louis Jordan Labs ... he said problem was due to faulty toilet ballcock being broken ... and that this had been repaired. Visited complainant, Mr. Kessler, President of Holland Associates (next factory south) who disputed what Mr. Rajin had told me. He alleges that chemical discharges, from industrial process, are run into cesspool causing frequent overflows ... at least 3 times a week.	Bi Giovanni	Codes: List all items nos. that apply (see EH 549)
6/22/79	Inspection completed.	J. Schickel	
6/28/79	Mr. Kessler contacted by phone 9:30 AM + notified of results of investigation		

New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233-7010



John P. Cahill
Commissioner

September 5, 1997

Barry S. Cohen, Esq.
McMillan, Rather, Bennett & Rigano, P.C.
48 South Service Road
Melville, NY 11747

Dear Mr. Cohen:

Re: 118-138 Swalm Avenue Site
Site ID # 1-30-043P
FOIL Request

Enclosed are documents pertinent to your Freedom of Information Law request for the 118-138 Swalm Avenue Site. The information packet which contains the results of the document search was just received from our consultant, Lawler, Matustky and Skelly Engineers, which I have copied and am forwarding by direction of Department council, Jeanna Hussey, Esq. A check payable to the New York State Department of Environmental Conservation in the amount of \$10.25 (41 pages @ \$.25 per page) will be required for these documents.

If you require any further information regarding this site, please contact me at (518) 457-3395.

Sincerely,

Jeffrey E. Trad, P.E.
Project Manager
Remedial Section A
Bureau of Eastern Remedial Action
Division of Environmental Remediation

THOMAS S. GULOTTA
COUNTY EXECUTIVE



KATHLEEN A. GAFFNEY, M.D., M.P.H.
COMMISSIONER

COUNTY OF NASSAU
DEPARTMENT OF HEALTH
240 OLD COUNTRY ROAD
MINEOLA, N.Y. 11501-4250

10/17/96
RE: Liquimark Corp.
118-138 Swalm Avenue
Westbury, NY

Dear Ms. Webster:

Your request for access to records of the Department of Health has been approved. Records will be made available during normal working hours at 240 Old Country Road, Mineola, and there will be a 25¢ per page fee for photo copying any Nassau County Records.

The Nassau County Department of Health shall not be responsible for inaccuracies in electronic information due to programming and/or clerical error.

Listed below are the Bureau(s) which have searched their files for records pertaining to your request. Please call the Bureau(s) checked below and speak to the contact person before arriving to see the records:

<u>BUREAU</u>	<u>CONTACT PERSON</u>
<input type="checkbox"/> <u>ENVIRONMENTAL MANAGEMENT</u> Underground Tanks; Chemical/Oil Bulk Storage; Spills & Leaks; Environmental Impact Statements; Medical Waste; Solid Waste; Air Emission Sources; Air Contaminant Emissions; Smoking Violations; Air Complaint Investigations.	Ms. Lutzker 571-3314
<input type="checkbox"/> <u>ENVIRONMENTAL ENGINEERING</u> Underground Tanks; Petroleum & Chemical Bulk Storage; Spill Sites; Air Emission Sources; Road Salt Storage.	Mr. Silvers 571-2404
<input type="checkbox"/> <u>WATER SUPPLY PROTECTION</u> Drinking Water; Private Wells; Groundwater Quality; Backflow Prevention Devices; Bottled Water; Realty Subdivision; Private Sewage Disposal; Sewer Extensions, Sewer Connections, USEPA Underground Injection Control	Mr. Shisgal 571-3323
<input type="checkbox"/> <u>ENVIRONMENTAL SANITATION</u> Food Protection.	Mr. Lynch 571-3680
<input type="checkbox"/> Summer Camps; Temporary Residences; Bathing Facilities.	Mr. Santeramo 571-3680
<input type="checkbox"/> Housing; Rodent Control; Heat; General Nuisance.	Mr. Putnam 571-2328
<input type="checkbox"/> Radiological Health.	Mr. Walderman 571-3313

☒ No Records Noted

Yours truly,

Nola Sanchez

Nola Sanchez
516) 571-3571

BEAC_RULE26_000002

New Cassel File Search Occupancy 118-138 Swalm 9/20/96

Swalm Ave site Info from Coles Directory
NYSDEC ID # 130043P

118 - 138 Swalm Ave

1971 thru 1974 All Record Distributors 118 Swalm Ave

1975 thru 1977 Allomatic Industries 130 Swalm Ave

1978 Lewis Jordan Labs, Louis Jordan Lab 118 Swalm Ave

1979 thru 1980 Louis Jordan Labs plus Varitek ^{machine C} ~~Ind.~~ 118 Swalm

1980 - thru 1984 Varitek ^{machine Co.} ~~Industries~~ 118 Swalm

1985 Varitek plus Atlas Graphics 118 Swalm

1986 - 1992 Varitek machine C 118 Swalm

COLE'S DIRECTORY NOTES

1987 MISS

29 NEW YORK AVENUE

1971 MONEY SCAN SYSTEMS II 1971, 72, 73, 74, 75, 76, 77, 78, 79, 80, 82, 83, 84
SPECTRONICS CORP 1971, 72, 73, 74, 75, 76
BLACK LIGHT EASTERN 1971, 72, 73, 74, 75, 76, 77, 78
SCIENTIFIC APPARATUS 1971, 72, 73
COOPER BROS. CO. 1971, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84
CUSTOM COATINGS, INC. II 1979, 80
TICCON CORP II 1979, 80, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92
ECKHART CORP II 1980, 91 (1992-90.36 NYA.40)

750 SUMMIT

MICRO INDUSTRIES 1971, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82
ADVANCED FOOD SERV. CO. 1971, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90
ADVANCED FOOD SERVICE II 1978

118-138 SWARTZ

118 ALL RECORD DISTING 1971, 72, 73, 74
LOUIS DORRAN LABS II 1978, 79, 80
VARITEX MACHINE-1979, 80, 81, 82, 83, 84, 85, 86, 88, 89, 90, 91, 92
ATLAS GRAPHIC - 1985

130 SWARTZ

ALLOMATIC INDUSTRIES II 1975, 76, 77

111 SWARTZ

EZ-EM 1971, 72, 73, 74, 75, 76

117 SWARTZ

SPACE PARTS MFG. 1971, 72
MIDDLESEX PAPER 1971, 72
NEAR EAST CO. 1971, 72
FIMEX CORP 1971, 72
NEHOC MFG 1971, 72
PARAN CO. 1971, 72

110 HOPPER

STRUCTURAL ENC. 1971, 72, 73, 74, 75
CONTEMPORARY PKG II 1972, 73, 74, 75
NPS INDUSTRIES - 1981
EGAN BARN CHL ART - 1983
FLEXITHINK CORP - 1991, 92

122C OLD COUNTRY CORP

BEAC_RULE26_000004

9/20/96

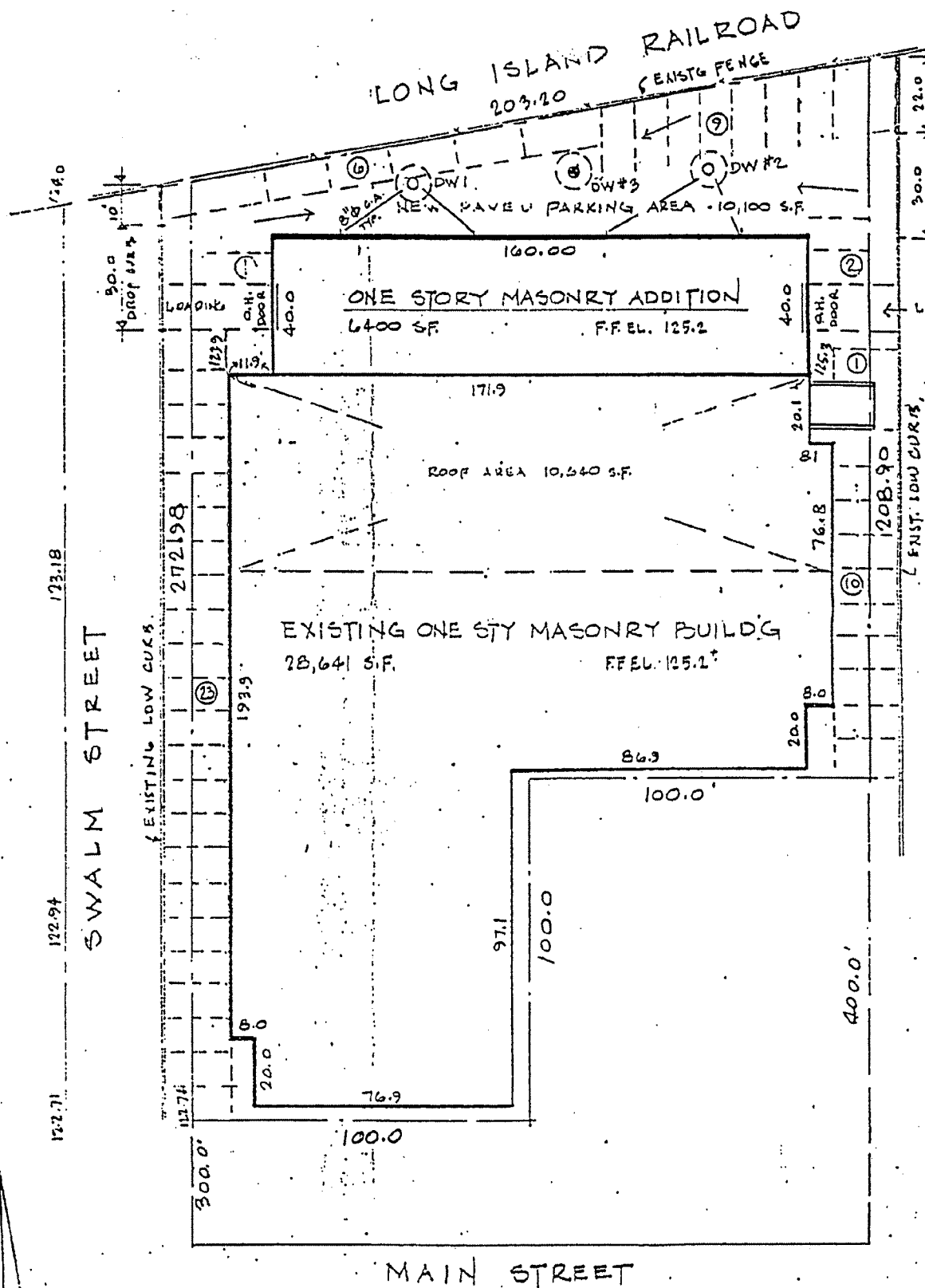
Aerial Photo TnFo 118-138 Swalm

1950 No Swalm St. grassy meadow w/dirt road.

1961/62 L shaped building 160' x 160' .

1970-1992 No change

EXHIBIT B



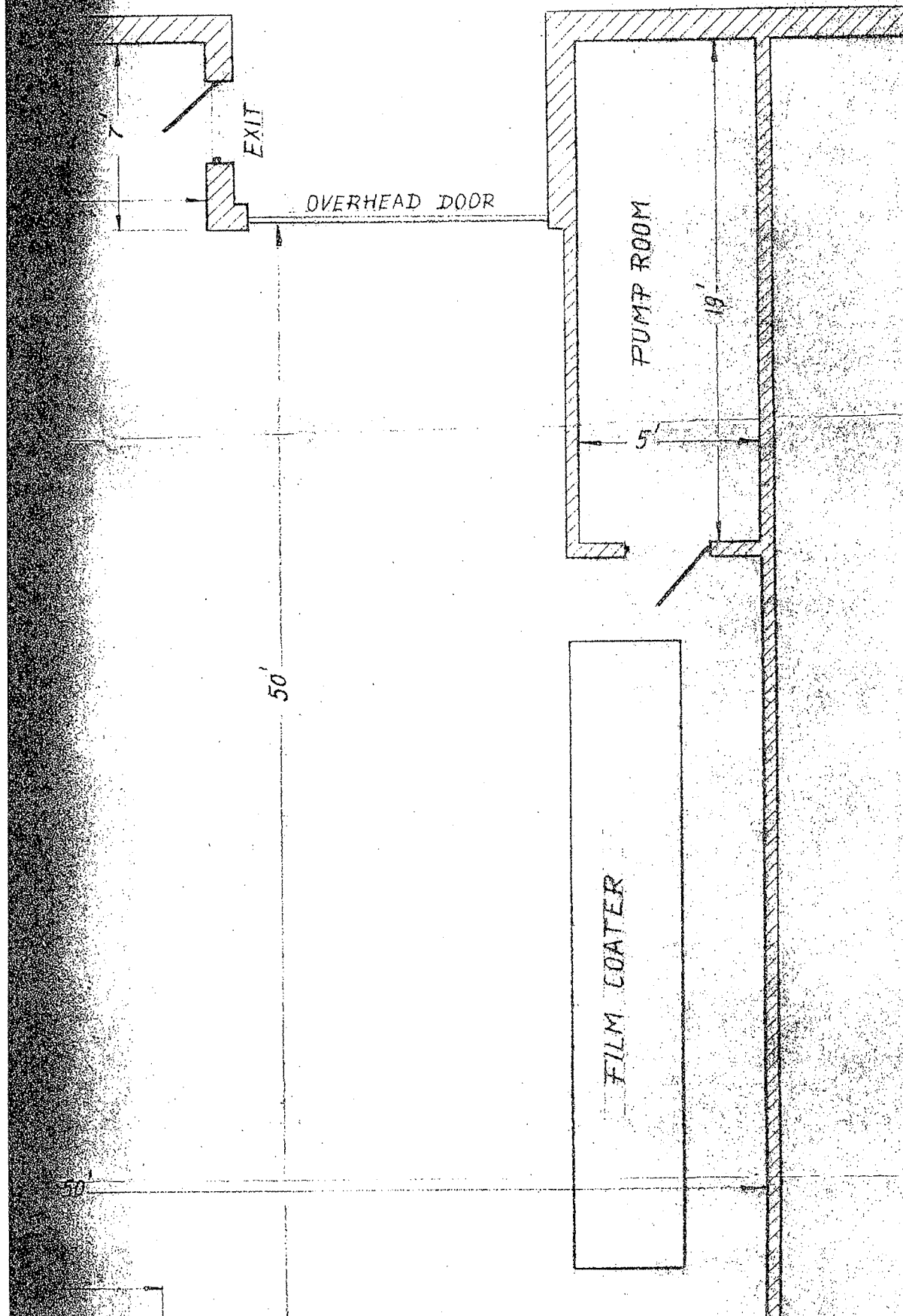
SITE PLAN

1"=30'

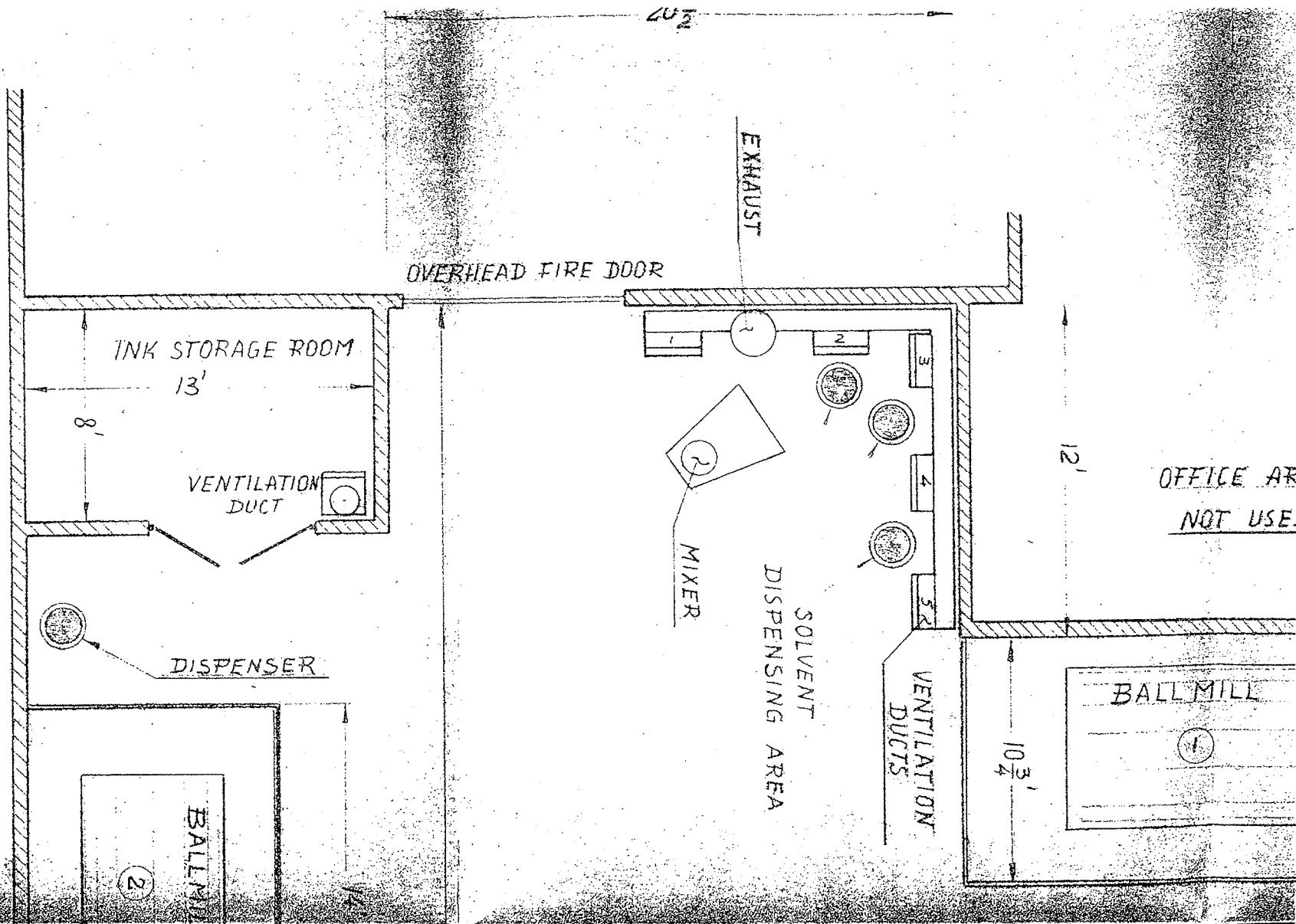
118-138 Swalm

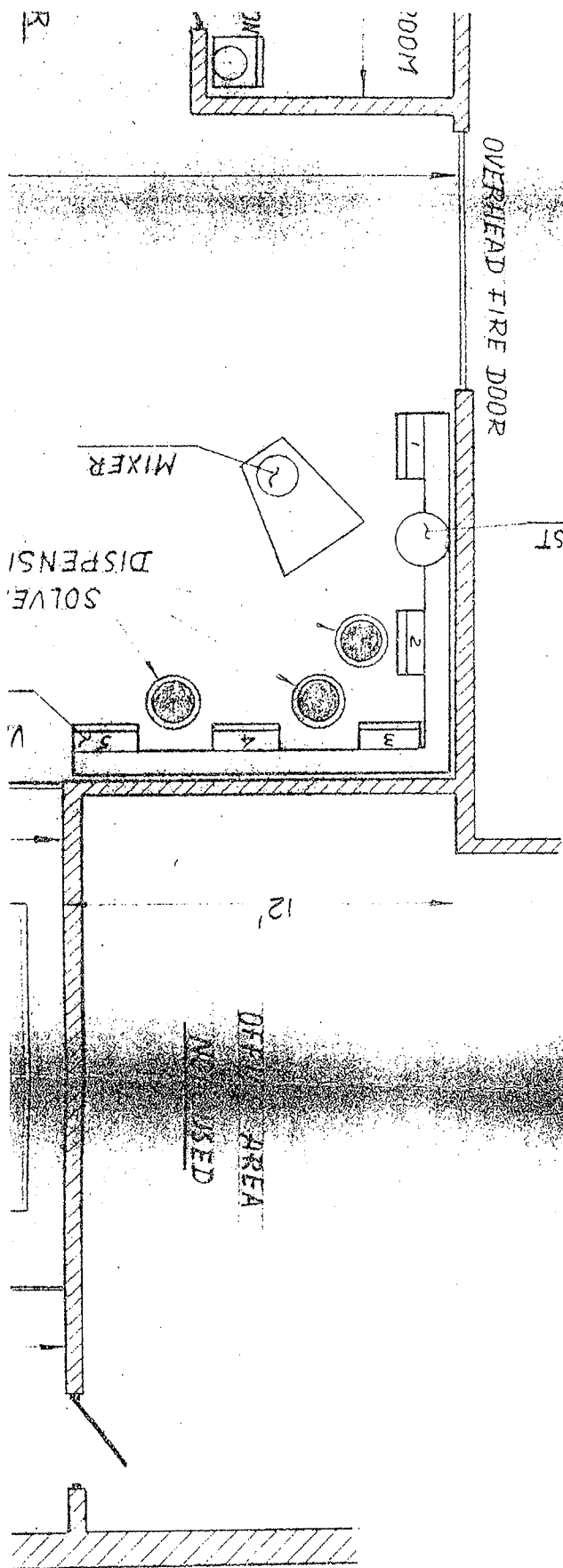
sect. 11, Block 164 lot 19-29

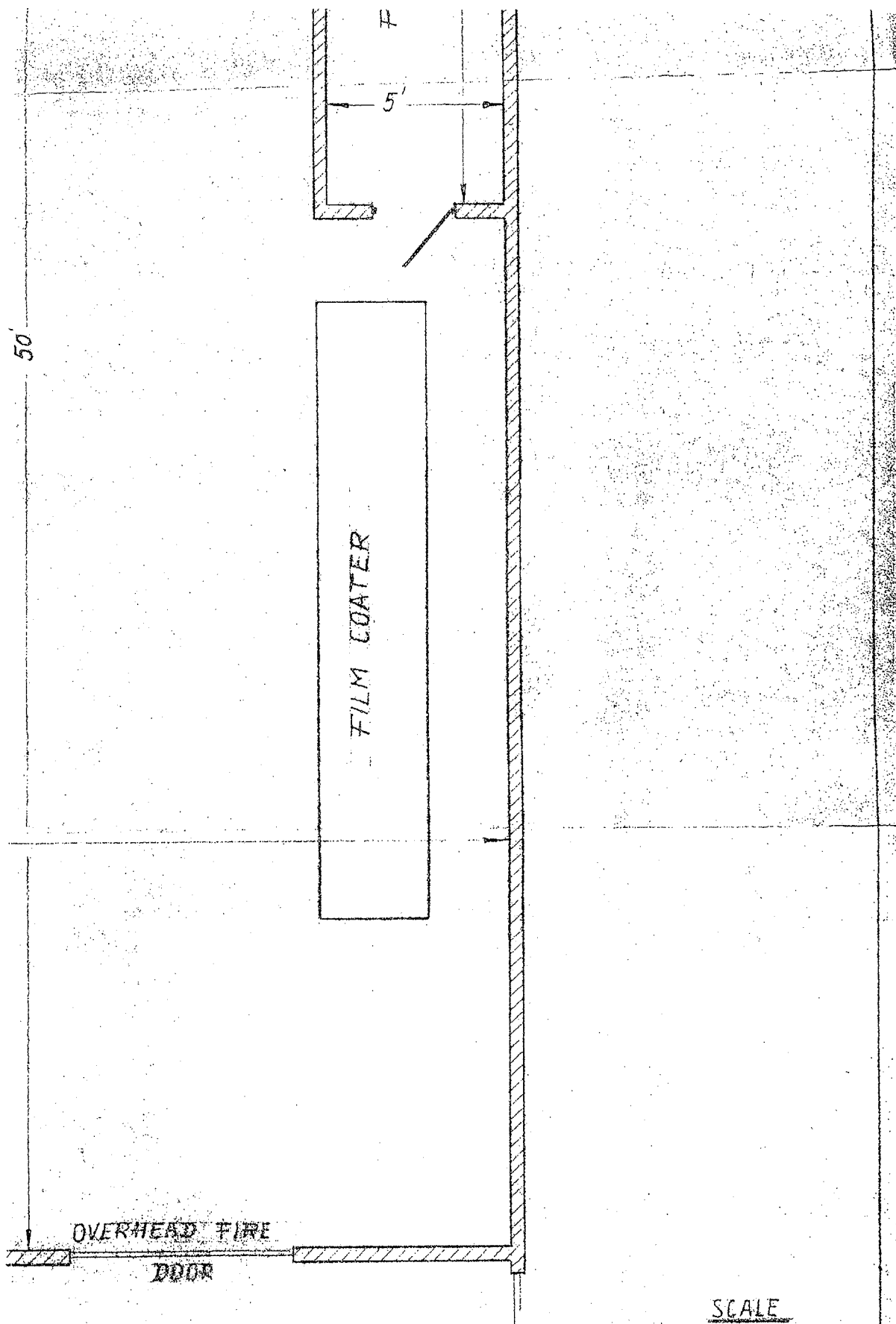
ALM STREET



COATERS ROOM

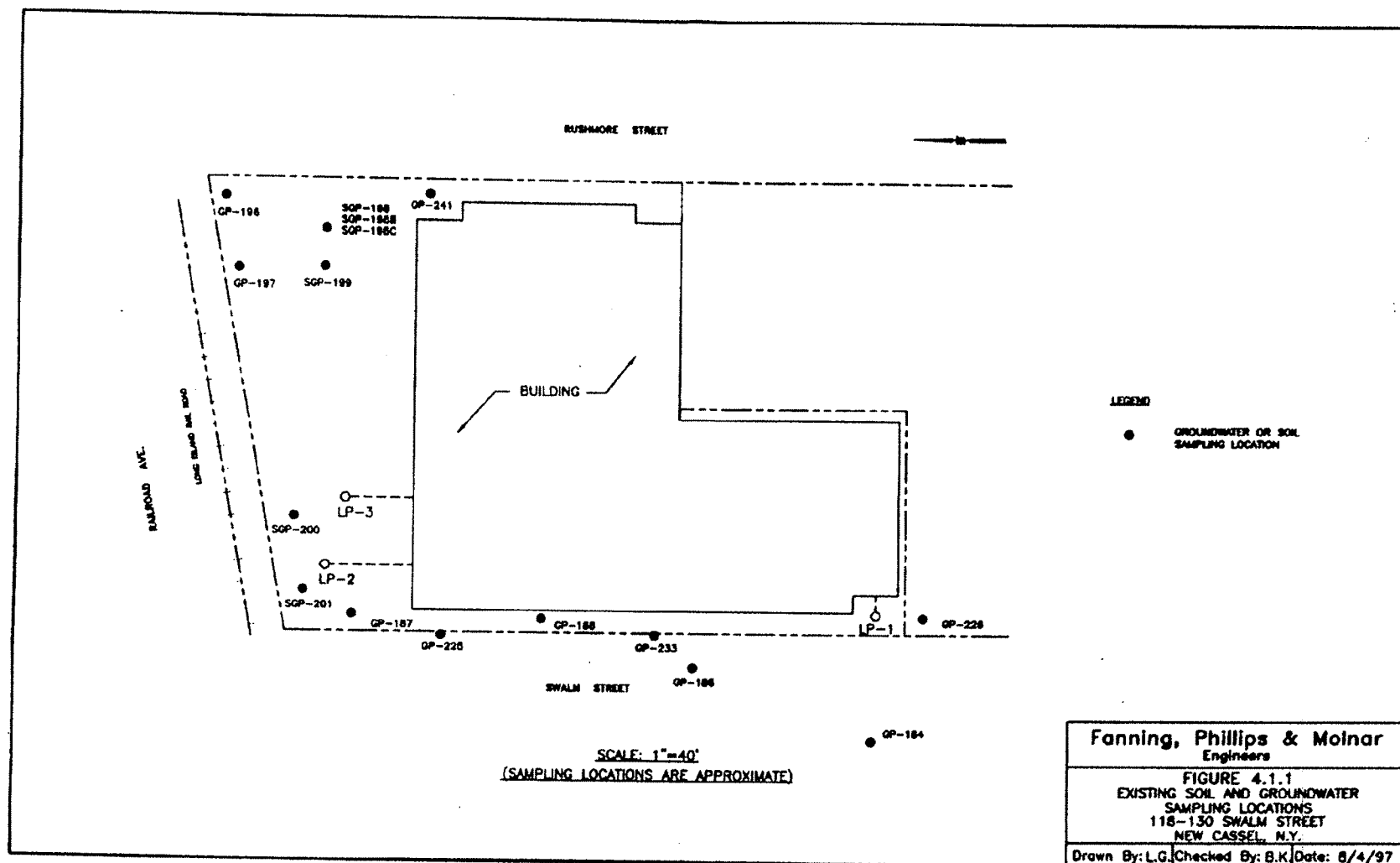






SCALE
1" = 4'

EXPLOSIVE PROOF AREA
T. VARITEK MACHINE CO. INC. 118 SWALM STREET, WEST BURY N.Y. 11590





ENGINEERS & HYDROGEOLOGISTS

VIA FAX AND MAIL

RICHARD FANNING, P.E. (1931-1984)
KEVIN J. PHILLIPS, P.E., PH.D.
GARY A. MOLNAR, P.E.

March 9, 1999

909 MARCONI AVENUE
RONKONKOMA, NY 11779
516/737-6200
718/767-3337
FAX 516/737-2410

Mr. Richard Gaborow
Environmental Engineer II
Bureau of Eastern Remedial Action
New York State Department
of Environmental Conservation
50 Wolf Road
Albany, NY 12233-7010

Re: 118-130 Swalm Ave., New Cassel
FPM File No. 486-98-03

Dear Mr. Gaborow:

As per the work plan for the above-referenced site, Fanning, Phillips and Molnar has completed Phase I of the leaching pool investigation as discussed on page 6-1 of the work plan. The results of the first phase are enclosed for your review (along with a sample location map) and we will await your determination as to whether it will be required to revisit the site for the purpose of obtaining additional samples to vertically profile the soil column beneath the leaching pools at 10 foot intervals down to approximately 50 feet below grade.

As you will note from the sample results, none of the leaching pools contained volatile organic compounds in exceedance of the NYSDEC TAGM-4046 Soil Cleanup Objectives.

We will await your response.

Very truly yours,

Peter Dermody
Senior Hydrogeologist
Department Manager

PD:tac
Enclosures

cc: Barry Cohen, Esq.

c:\cmts\pd\gaborow4

FANNING, PHILLIPS AND MOLNAR

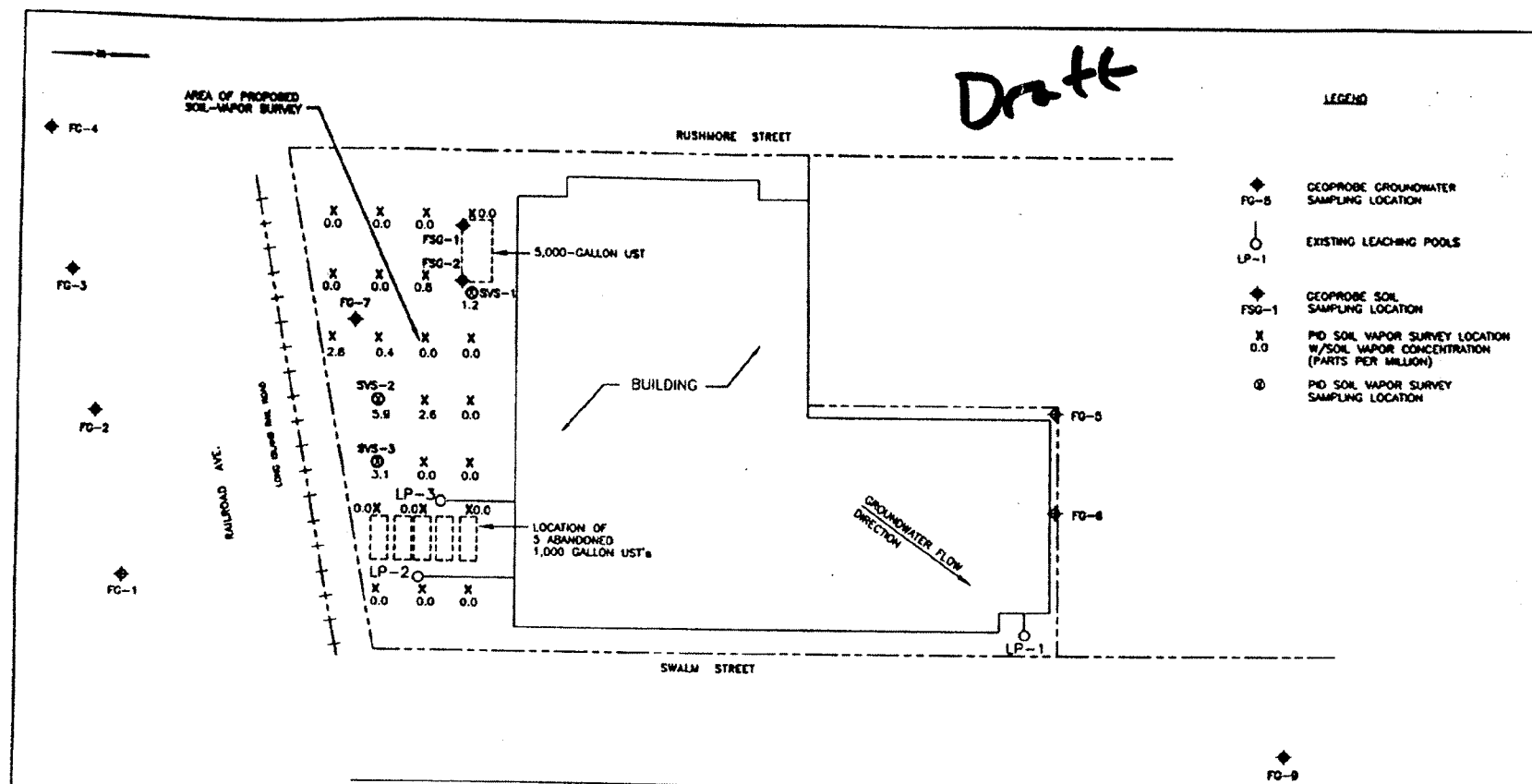
RONKONKOMA, NY

• ROME, NY •

SAN ANTONIO, TX

BEAC_RULE26_000353

Draft



Fanning, Phillips & Molnar Engineers		
FIGURE 6.1 FIELD SAMPLING PLAN 118-130 SWALM STREET NEW CASSEL, N.Y.		
Drawn By: H.C. * L.G.	Checked By:	Date: 2/24/99

SITE MAP FROM PLOT PLAN
PROVIDED BY LIQUI-MARK FILE

USAC/DRAW/NUMBER/FIG 6.1 FIELD SAMP-SWALM STREET

BEAC_RULE26_000354

6561 CC 90 11 47 043 PM Sat 11/16/95 11:47:04 AM

TABLE 4.5.1
LEACHING POOL SEDIMENT CHEMICAL ANALYTICAL RESULTS
118-130 SWALM AVENUE, NEW CASSEL NEW YORK

Sample Location Sample Depth (in feet) Sample Date Parameter	LP-1 - 12/18/98	LP-2 - 12/18/98	LP-3 - 12/18/98	NYSDEC TAGM 4046 Soil Cleanup Objective
Volatile Organic Compounds in micrograms per kilogram				
Methylene Chloride	8	7	26 J	100
Acetone	33 B	26 B	39 JB	200
1,1-Dichloroethane	7	ND	5 J	200
1,2-Dichloroethene (total)	54	ND	ND	250
Chloroform	6	ND	ND	300
1,1,1-Trichloroethane	0.8 J	ND	9 J	800
Trichloroethene	340 D	8	120	700
Tetrachloroethene	42	180	660	1,400
Toluene	2 J	ND	ND	1,500

Notes:

Only detected compounds are reported. See laboratory report for complete analytical data.

ND = Not Detected.

J = Indicates an estimated value which is less than the specified detection limit but greater than zero.

B = Indicates the analyte was found in both the sample and associated laboratory blank.

D = Indicates compound identified in an analysis at a secondary dilution factor.

Bold values exceed NYSDEC Soil Cleanup Objective.

EXHIBIT C

FOR OFFICE USE ONLY	
DATE APP RECEIVED	: FNKEY :
REVIEWED BY	: DATE REVIEWED :
ACTION	: NOT REQ'D : EXP DATE

FACILITY ADDRESS

BEAC_RULE26_000013

This Shipping Order

must be kept until RECEIVED.

In Indelible Pencil, or in Carbon, and retained by the Agent. and binds in effect on the date of the issue of this Shipping Order.

(Name of Carrier) Carrier's No.

From

BARLO EQUIPMENT CORPORATION

850

SOUTH OYSTER BAY RD. HICKSVILLE, NY

At

91 Commercial Ave. Garden City, N.Y. 11530

8-9

1990

Shippers No

15681

The property described below, in apparent good order except as noted, is consigned to the carrier (the word carrier being understood throughout this bill of lading to include any person or corporation in possession of the property under the contract) agrees to carry the same to the destination named hereon, and to deliver it to the consignee at the place named hereon, and to issue a bill of lading therefor, and to be bound as to each party at any time interested in all or any of said property, that every service to be performed by the carrier shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification and (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to VARITEK MACH. & B. INC. (MAIL OR STREET ADDRESS OF CONSIGNEE—FOR PURPOSES OF IDENTIFICATION ONLY)

Destination 130 SULLY ST. State NY County WESTBURY

Route WESTBURY, NY Delivery Address* (To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier Car or Vehicle Initials No.

No. Packages	Kind of Package, Description of Articles, Specifications	Exemptions	*Weight (Sub. to Car.)	Class or Rate	Check Column	Subject to Section 7 of Conditions of applicable bill of lading, if shipment is to be delivered to consignee without recourse on consignor, the consignor shall make the following statement: The carrier shall not make del of this shipment without payment freight and all other lawful charges. (Signature of Consignor.) If charges are to be prepaid, or stamp here, "To be Prepaid." Received \$ _____ to apply in prepayment of the charges on the property described below. Agent or Cashier Per _____ (The signature here acknowledges only the amount prepaid.) Charges Advanced: C. O. D. SHIPMENT C. O. D. Amt. _____ Collection Fee _____ Total Charges _____
	ABO 4120 422		1000 GAL STEEL			
	UNDERGROUND STORAGE TANKS		AS PER			
	MASSACHUSETTS REGULATIONS					
	TANKS FILLED WITH CONCRETE SLURRY					

*If the shipment moves between two ports by a carrier by water, this bill requires that the bill of lading shall state whether it is carrier's or shipper's weight. NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

†The three boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification. ‡Shipper's imprint in lieu of signature. §Part of bill of lading approved by the Interstate Commerce Commission.

BARLO EQUIPMENT CORPORATION
91 Commercial Ave., Garden City, N.Y. 11530
Shipper
Per

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper.

BEAC_RULE26_000020

THOMAS S. GULOTTA
COUNTY EXECUTIVE
JOSEPH G. BOSLET, JR.
FIRE MARSHAL



*entered
8/9/90
alk*

NASSAU COUNTY FIRE COMMISSION
OFFICE OF FIRE MARSHAL

899 JERUSALEM AVENUE
P.O. BOX 128
UNIONDALE, NEW YORK 11553

TO: NASSAU COUNTY FIRE MARSHAL

FM KEY #

65-96-135

FROM: Barlo Equipment Corporation CONCERNING TANKS AT:

850 South Oyster Bay Road
Hicksville, NY 11801

Veritek Machine Co., Inc.
130 Swalm Street
Westbury, NY 11590

The following flammable /combustible liquid storage tanks at the above location have been:

- T - Placed temporarily out-of-service (if permitted), or
- P - Permanently abandoned in place, or
- R - Removed from the premises.

(indicate one of the above letters under "STATUS" for each tank.)

TANK TYPE*	TANK SIZE	CONSTRUCTION	STATUS	DATE WHEN DONE
U/G	1,000 Gal.	Steel	P	8-9-90
U/G	1,000 Gal.	Steel	P	8-9-90
U/G	1,000 Gal.	Steel	P	8-9-90
U/G	1,000 Gal.	Steel	P	8-9-90
U/G	1,000 Gal.	Steel	P	8-9-90

* NOTE: if the tank type is unknown, indicate either A/G (aboveground) or U/G (underground). If more than 8 tanks, use an additional sheet.

=====

All work as indicated above has been done in accordance with the applicable Sections of Article III of The Nassau County Fire Prevention Ordinance.

John B. LoRusso

Name

John B. LoRusso

Signature

ROBERT KORNBLUTH
Notary Public, State of New York
No. 30-7338610
Qualified in Nassau County
Commission Expires 1-31-91

Notary Stamp

0841C / 110788

County of Nassau

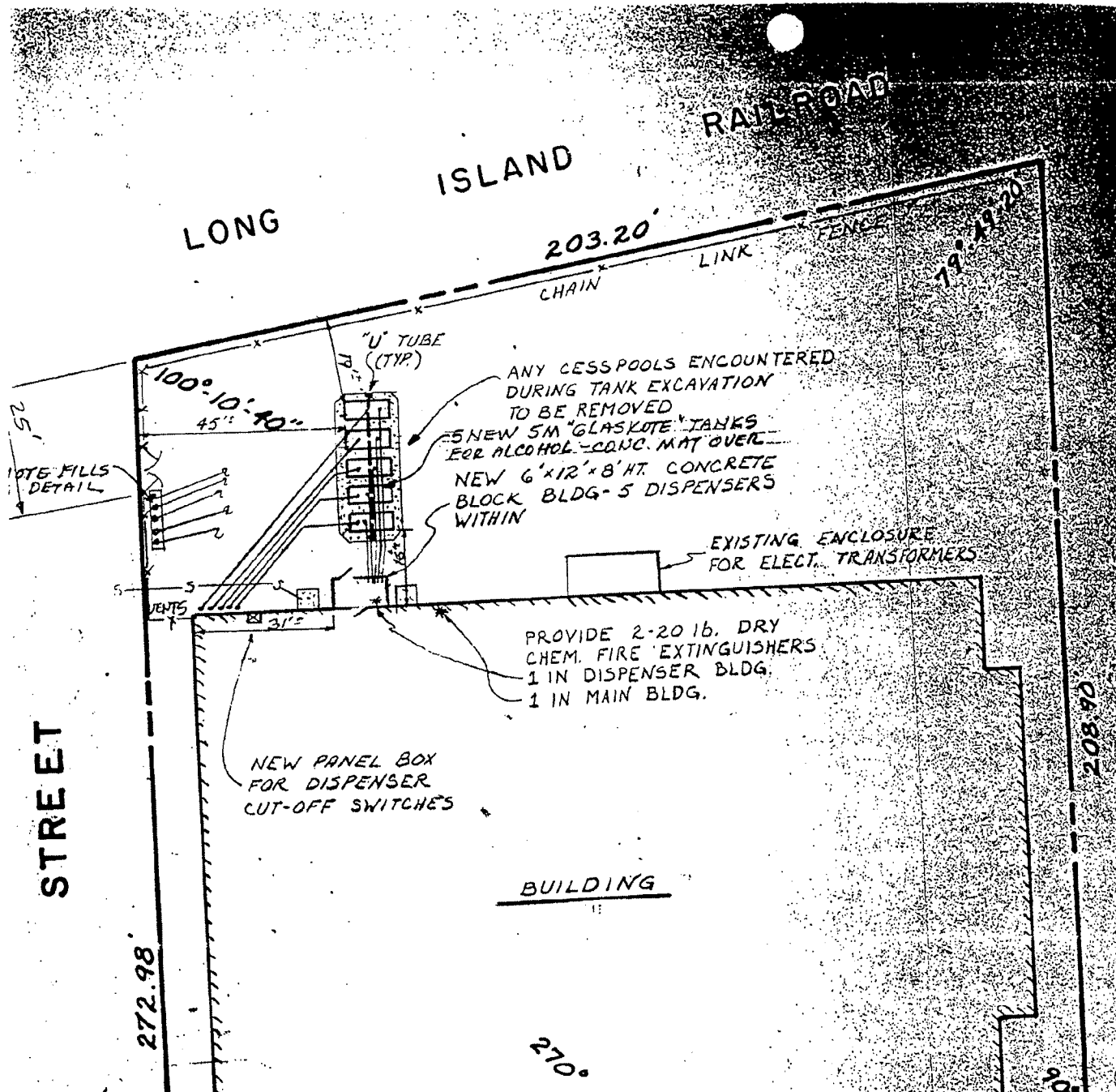
State of New York

sworn to before me this

10th day of August 1990

Notary Signature

Robert Kornbluth



NOTE: This form to be made out in duplicate. Two (2) copies of plumbing elevation must accompany application. Two (2) plot plans showing location of drainage pool, cesspool or sewer shall accompany applications. Applications must be filled in completely when filing.

Permit No.
C of C or A File No.
Fee
Inspector
Approved by 9/20/77
Date 03386
Permit No.
C of C No.
C of A No.

Town of North Hempstead

Michael J. Tully, Jr., Supervisor
BUILDING DEPARTMENT
RICHARD F. ANTONOFF, Commissioner
Manhasset, New York 11030

L. J.
333.4411
9351122

APPLICATION FOR PERMIT

Plumbing, Heating, Drainage and Sewage Disposal

Issued pursuant to the provisions of the Building Zone Ordinance, and the Administration and Enforcement Ordinance.

Zone 1B Checked by Section 11 Block 164 Lot 58-65 Date 9-12-77

Location 118 SWALM ST. Westbury, NY. 11590

Owner/Address LOUIS JORDON LABORATORIES LTD.

Residence ☐ Garage ☐ Business ☒ Industrial ☐ Other ☐

New Building ☐ Alteration ☐ Addition ☐ Repair ☐

PLUMBING..... OIL BURNER..... GAS BURNER..... DRAINAGE..... SEWAGE ☒ cesspool

Existing buildings used for..... Proposed use.....

Make of Burner..... Model No. Type.....

Manufacturer..... North Hempstead Certificate of Approval No.

Estimated cost of proposed buildings, alterations, etc.

Sq. Ft. Area: 1st floor..... 2nd floor..... Garage..... Porch.....

CERTIFICATE OF OCCUPANCY

1. New building. No building hereafter erected, enlarged, extended or altered shall be occupied or used, in whole or in part, until a certificate of occupancy, certifying that such building conforms to the approved plans and the requirements of this code and stating the purpose for which the building may be used in its several parts, and any special stipulations, shall have been issued by the Building Inspector and signed by him or his authorized assistant. If the occupancy or use of a building is not discontinued during the work of alteration, the occupancy or use of the building shall not continue for more than thirty days after the completion of the alteration unless a certificate shall have been issued.

2. Change of occupancy.

(a) No change or use shall be made in a building hereafter erected or altered that is not consistent with the last issued certificate of occupancy for such building unless a permit is secured. In case of an existing building, no change of occupancy that would bring it under some special provision of this ordinance shall be made unless the Building Inspector, upon inspection, finds out that such building conforms substantially to the provisions of this ordinance with respect to the proposed new occupancy and use, and issues a certificate of occupancy therefor.

(b) The reestablishment in a building, after a change of occupancy has been made, of a prior use that would not have been permitted in a new building of the same type of construction is prohibited. The change from a specifically prohibited use to another specifically prohibited use shall not be made.

105-1122

TABLE OF FIXTURES
To Include Roughing for Future Fixtures

Indicate Number of Proposed Trapped Fixtures on all Floors	Cellar	Basement	1st Floor	Second	Third	Fourth	Describe Fixtures	Total Fixtures
Water-Closets								
Urinals								
Wash-basins								
Bath-tubs								
Wash-tubs								
Sinks								
Stall Showers								

Inspections	Date	Violations	Date	Date Cor.
Cesspool/Sewer				
Rough Plumbing				
Water Test				
Flange				
Final	3/21/78	INSTALLED PRIOR TO INSPECTION NO VIOLATION NOTED SEE AFFIDAVIT ATTACHED		

Model No. _____
 Serial No. _____
 Fire Underwriters Label No. _____
 Hot Water Hookup _____
 Water Relief Valve _____
 Location of Switch _____

Fuel Tank
 Outside Tank: Feet from property line _____ Feet from building _____
 Capacity _____ gals. Minimum gauge thickness _____ Depth under ground _____ ft.
 Inside Tank: Distance from fire or source of flame _____ ft.
 Capacity _____ gals. Minimum gauge thickness _____

NOTE: All underground tanks must be inspected before being covered.

1. Workmen's Compensation Insurance and Disability Benefit Insurance has been secured in accordance with the requirements of the Workmen's Compensation Law as follows:
 Insurance Co. State Ins. Fund. Policy No. 455791-A Exp. Date 8/78 as per Certificate attached or on file with Building Department.

Contractor Hicksville Cesspool Service Inc (Name of Licensed Plumber)
 Address 389 New South Rd Applicant SAME
Hicksville, NY 11801 Address _____

Work Commenced _____ Date signed off 3/14/78 - 3/21/78

I hereby certify that the above report is true in every respect and that the work indicated has been done in the manner required, except where reported adversely.

John A. [Signature] Inspector

Do not write in this space.

EXAMINED AND APPROVED
 JOHN CIRINCIONE
 PLUMBING INSPECTOR

APPROVED

SEP 21 1977

Richard T. [Signature]
 COMMISSIONER

This Is Your Permit

Permit File No.
 C of C/C of A File No.
 Fee
 Inspector
 Approved by
 Date
 Permit No. 19797
 C of C No.
 C of A No.

NOTE: This form to be made out in duplicate. Two (2) copies of plumbing elevation must accompany application. Two (2) plot plans showing location of drainage pool, cesspool or sewer shall accompany applications. Applications must be filled in completely when filing.

Town of North Hempstead

Michael J. Tully, Jr., Supervisor
 BUILDING DEPARTMENT
 MICHAEL H. SAHN, Commissioner
 Manhasset, New York 11030

APPLICATION FOR PERMIT

Plumbing, Heating, Drainage and Sewage Disposal

Issued pursuant to the provisions of the Building Zone Ordinance, and the Administration and Enforcement Ordinance.

Zone I-B Checked by JH Section 11 Block 164 Lot 19-27 Date 5-8-65

Location Varied

Owner/Address 118-134

Residence ☐ Garage ☐ Business ☐ Industrial ☐ Other ☐

New Building ☐ Alteration ☐ Addition ☐ Repair ☐

PLUMBING ☐ OIL BURNER ☐ GAS BURNER ☐ DRAINAGE ☐ SEWAGE ☒

Existing buildings used for Proposed use

Make of Burner Model No. Type

Manufacturer North Hempstead Certificate of Approval No.

Estimated cost of proposed buildings, alterations, etc.

Sq. Ft. Area: 1st floor 2nd floor Carage Porch

CERTIFICATE OF OCCUPANCY

1. New building. No building hereafter erected, enlarged, extended or altered shall be occupied or used, in whole or in part, until a certificate of occupancy, certifying that such building conforms to the approved plans and the requirements of this code and stating the purpose for which the building may be used in its several parts, and any special stipulations, shall have been issued by the Building Inspector and signed by him or his authorized assistant. If the occupancy or use of a building is not discontinued during the work of alteration, the occupancy or use of the building shall not continue for more than thirty days after the completion of the alteration unless a certificate shall have been issued.

2. Change of occupancy.

(a) No change or use shall be made in a building hereafter erected or altered that is not consistent with the last issued certificate of occupancy for such building unless a permit is secured. In case of an existing building, no change of occupancy that would bring it under some special provision of this ordinance shall be made unless the Building Inspector, upon inspection, finds out that such building conforms substantially to the provisions of this ordinance with respect to the proposed new occupancy and use, and issues a certificate of occupancy therefor.

(b) The reestablishment in a building, after a change of occupancy, has been made, of a prior use that would not have been permitted in a new building of the same type of construction is prohibited. The change from a specifically prohibited use to another specifically prohibited use shall not be made.

NO WORK IS TO BE STARTED UNTIL BUILDING PERMIT HAS BEEN RECEIVED BY APPLICANT

Indicate Number of Proposed Trapped Fixtures on all Floors	Cellar	Basement	1st Floor	Second	Third	Fourth	Describe Fixtures	Total Fixtures
Water-Closets								
Urinals								
Wash-basins								
Bath-tubs								
Wash-tubs								
Sinks								
Stall Showers								

Inspections	Date	Violations	Date	Date Cor.
Cesspool/Sewer				
Rough Plumbing				
Water Test				
Flange				
Final				

Model No.
Serial No.
Fire Underwriters Label No.
Hot Water Hookup.....
Water Relief Valve.....
Location of Switch.....

Fuel Tank

Outside Tank: Feet from property line.....Feet from building.....
Capacity..... gals. Minimum gauge thickness..... Depth under ground.....ft.
Inside Tank: Distance from fire or source of flame.....ft.
Capacity..... gals. Minimum gauge thickness.....

NOTE: All underground tanks must be inspected before being covered.

1. *Workmen's Compensation Insurance and Disability Benefit Insurance has been secured in accordance with the requirements of the Workmen's Compensation Law as follows:

Insurance Co.Policy No.Exp. Date.....as
per Certificate attached or on file with Building Department.

Contractor.....
Print: Peter Barba
Applicant: G. P. 118.705 (Varitek Mech. Co.)
Address.....
Address: 118 Swalm Street West
Telephone

Work Commenced.....Date signed off.....

I hereby certify that the above report is true in every respect and that the work indicated has been done in the manner required, except where reported adversely.

Inspector

Do not write in this space.

EXAMINED AND APPROVED
JOHN CIRINCIONE
PLUMBING INSPECTOR

APPROVED

JUL 21 1980

CHARLES C. MILO
DEPUTY COMMISSIONER



ENGINEERS & HYDROGEOLOGISTS

RICHARD FANNING, P.E. (1931-1984)
KEVIN J. PHILLIPS, P.E., Ph.D.
GARY A. MOLNAR, P.E.

VIA FAX AND MAIL

July 12, 1999

909 MARCONI AVENUE
RONKONKOMA, NY 11779
516/737-6200
718/767-3337
FAX 516/737-2410

Mr. Richard Gaborow
Environmental Engineer II
Bureau of Eastern Remedial Action
Division of Hazardous Waste Remediation
NYS Department of Environmental Conservation
50 Wolf Road
Albany, NY 12233-7010

Re: 118-130 Swalm Street, New Cassel, New York
FPM File No. 486-98-03

Dear Mr. Gaborow:

As per your request, Fanning, Phillips and Molnar (FPM) is providing these responses to your comment letter dated June 11, 1999 (see Attachment A).

As per our conversation regarding your letter, the NYSDEC is requesting additional soil sampling in the three leaching pools at depths of 0, 10, 20, 30, 40, and 50 feet below the sediment surface as well as groundwater samples at the downgradient edge of the pools at depths of 60, 80, and 95 feet. This is a total of 27 additional samples related to leaching pools that showed no exceedances of the TAGM guideline levels; the highest concentration detected was less than half of the TAGM levels. The costs to obtain these samples has been estimated to be \$14,000. Based on this information, FPM requests that the additional soil sampling be reduced to two samples per pool; one at 10 feet below the sediment surface and one 10 feet above the water table. This will provide definitive results as to whether the soil beneath the leaching pools contains levels of volatile organic compounds above the TAGM guidelines.

With regard to the groundwater sampling, all of the previous sampling results have shown that the contamination in the site area is limited to the shallow groundwater. Attachment B shows the results of the NYSDEC investigation and Attachment C shows the results of the recent FPM investigation. Both sets of data show, overwhelmingly, that the contamination is confined, with minor exceptions, to the shallowest groundwater. Therefore, FPM requests that the additional groundwater sampling be limited to two samples per Geoprobe boring; one at the water table (approximately 60 feet) and one at 10 feet below the water table.

All samples obtained would follow protocols detailed in the Focused Remedial Investigation Work Plan.

FANNING, PHILLIPS AND MOLNAR

RONKONKOMA, NY

• ROME, NY •

SAN ANTONIO, TX

BEAC_RULE26_000063

July 12, 1999

Section 2.2 - Current Site Operations:

Page 3-4 of the Focussed Remedial Investigation Work Plan presented the information on the chemicals used at Liqui-Mark. Liqui-Mark representatives have stated that tetrachloroethylene has never been used in their operations.

Section 3-1 - Hydrogeologic Setting:

With regard to the issue of geology, the US Geological Survey maps indicate that the depth to the Magothy Formation in the site area is approximately 50 feet. The text will be changed accordingly.

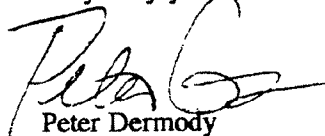
Section 4.1 - Leaching Pool Sampling:

Page 4-1 - All leaching pools at the site have been out of service since approximately 1980 when the site was connected to the municipal sewer. The sewer connection was confirmed by the Nassau County Department of Public Works by dye testing on May 7, 1999 (see Attachment D).

The remaining comments relate to your request to change all results from ppb to ppm. FPM would prefer to keep the results in ppb since these are the units that the laboratory reports the data and it is an industry standard to report VOC results in ppb. It would also require several hours and several hundred dollars in cost to our client to change and check the text and all the tables. We are requesting that the units be left in ppb.

Should you have any questions, please do not hesitate to call.

Very truly yours,



Peter Dermody
Senior Hydrogeologist
Department Manager

PD:tac
Attachments

cc: Barry Cohen, Esq.
Fred Shapiro

clients\pd\gaborow6

FPM



COUNTY OF NASSAU
DEPARTMENT OF PUBLIC WORKS
1330 FRANKLIN AVENUE
MINEOLA, NEW YORK 11501 - 4822

NOTIFICATION OF CONNECTION TO COUNTY SEWER

NOTIFICATION TO:

Bill Kiernan

The structure identified below has been connected to the Nassau County Sanitary Sewer System:

POST OFFICE ADDRESS:

115-130 Swaim Ave
New Cassel, NY

NASSAU COUNTY PERMIT NO.:

N/A

connected as per DYE TEST

DATE CONNECTION APPROVED:

N/A

Vincent A. Vignaro
Name

5/7/99
Date

Russell Rinchiuso
Deputy Commissioner of Public Works

EXHIBIT D

180 SWATT

NASSAU CO. FIRE DEPT
LOG #18

MATERIAL	AMOUNT	HOW STORED
✓ <u>M.E.K.</u> F.P. 20°F FLOATS + MIXES WITH WATER VAPORS HEAVIER THAN AIR	800 gal	Underground tank
✓ <u>V.M.&P Naphta</u> F.P. 20-55°F FLOATS ON WATER	500 "	-----"-----
✓ <u>Ethyl Acetate</u> F.P. 24°F FLOATS ON WATER VAPORS HEAVIER THAN AIR	300 "	-----"-----
✓ <u>Isopropanol</u> F.P. 53°F FLOATS + MIXES WITH WATER VAPORS HEAVIER THAN AIR	500 "	-----"-----
Methylene Chloride NON-FLAM/TOXIC	500 "	Above ground tank
Sulfonated Sperm Oil F.P. 428°F	110 "	55 gal drums
Oleil Alcohol	165	- " -
Rape Seed Oil	165 "	" "
Blown Rape Seed Oil	110 "	" "
Lanoline	55 "	" "
Silicone Resin	110 "	" "
Ready Mixed Inks	150 "	" "
Aluminum Powder	50 lbs	" "
Carbon Black Beads	500 "	Paper Bags
Carbon Black Toner	700 "	" "
Alkali Blue	400 "	Fibre Drums
Talcum Powder	300 "	Paper Bags
Microfine Wax	200 "	Fibre Drums
Titanium Dioxide	150 "	Paper Bags
Polyurethane Resin	150 "	" "
Polyvinyl Formal Resin	300 "	" "
Bakelite PVC Resin	800 "	" "
Polyester Film	2000 "	Jumbo Roll Cartons
Nylon Film	1000 "	" " "
Polyethylene Film	1200 "	" " "

EXHIBIT E

NASSAU COUNTY DEPARTMENT OF HEALTH
APPLICATION FOR A TOXIC OR HAZARDOUS MATERIALS STORAGE FACILITY PERMIT
FORM 3 - BULK AND CONTAINER STORAGE REGISTRATION
SEE INSTRUCTION SHEETS

For Office Use Only

Date Application Received	8/10/94	Facility I.D.	1449
Reviewed By	MS	Date Reviewed	9/2/94
Action:	<input type="checkbox"/> Not Req'd.	No. of Months	60
<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> Disapproved		

Facility Name
Liqui-Mark Corporation
Facility Address
130 Swalm Street, Westbury, NY 11590-4820

Action: ☒ Register Existing Area ☐ Add Area ☐ Remove Area ☐ Modify Area Area No. S-1 (Ink Room)

Location: ☒ Indoors ☐ Outdoors Bulk Storage Max. Quantity Stored: Container Storage Max. No. 17 Max. Vol. 1,000 gal.

Secondary Containment: ☒ Impervious Berm/Dike ☒ Impervious Floor/Pad ☐ Roof ☐ Walls ☐ Floor Drain & Storage Tank ☐ None ☐ Other (Specify):

Construction Material (Check all that Apply) ☒ Concrete ☐ Steel ☐ Other (Specify): Security ☒ Yes ☐ No

Type	NCDII Number	Material Name	Phys- ical State	Amount Stored		Storage Method	
				Average Quantity	Units	Average Number	Type
1	7511	Propylene Glycol Methyl Ether FLAM?	1	110	1	2	1
1	3751	Ethylene Glycol ✓	1	110	1	2	1
1	3351 7501	Propylene Glycol FLAM? ✓	1	110	1	2	1
1	3351	Dipropylene Glycol ✓	1	110	1	2	1
1	39011	Ethylene Glycol Phenyl Ether ✓	1	110	1	2	1
1	6511	Oleic Acid ✓	1	55	1	1	1
1	3181	Dimethyl Sulfoxide ✓	1	55	1	1	1
1	4771	Isopropyl Alcohol FLAM?	1	55	1	1	1
1	3001	Diethylene Glycol ✓	1	55	1	1	1
1	39021	Methyl-p-hydroxybenzoate ✓	1	55	1	1	1
1	3511	Ethanol (denatured) ^{MSDS} Missing ?	1	55	1	1	1
1	4141	Glycerin ✓	1	5	1	1	1

EH 859 4/86
DH-2791 11/86

Date Submitted _____ Page 1 of 4

☒ D.P.

BEAC_RULE26_000030

For Office Use Only		
Date Application Received	8/10/94	Facility I.D. 1449
Reviewed By	RES	Date Reviewed 8/12/94
Action:	<input type="checkbox"/> Not Req'd.	No. of Months
<input type="checkbox"/> Approved	<input type="checkbox"/> Disapproved	60

Action: ☒ Register Existing Area ☐ Add Area ☐ Remove Area ☐ Modify Area Area No. S-1 (Ink Room)

Location:	<input checked="" type="checkbox"/> Indoors <input type="checkbox"/> Outdoors	Bulk Storage Max.Quantity Stored: 500 lbs	Container Storage	Max.No. 15	Max.Vol. 250
Secondary Containment:	<input checked="" type="checkbox"/> Impervious Berm/Dike	<input checked="" type="checkbox"/> Impervious Floor/Pad	<input type="checkbox"/> Roof	<input type="checkbox"/> Walls	<input type="checkbox"/> Floor Drain & Storage Tank
Construction Material (Check all that Apply)	<input type="checkbox"/> Concrete	<input type="checkbox"/> Steel	<input type="checkbox"/> Other (Specify):		
			Security <input type="checkbox"/> Yes <input type="checkbox"/> No		

[illegible]

BEAC_RULE26_000031

For Office Use Only		
Date Application Received	8/10/84	Facility I.D. 1449
Reviewed By	MS	Date Reviewed 8/12/84
Action:	<input type="checkbox"/> Not Req'd.	No. of Months
<input type="checkbox"/> Approved	<input type="checkbox"/> Disapproved	60

Facility Address
130 Swalm Street, Westbury, NY 11590-4820

Construction Material of Dike & Pad	(Check all that Apply)	<input type="checkbox"/> Concrete	<input type="checkbox"/> Steel	<input type="checkbox"/> Other (Specify):	Security	<input type="checkbox"/> Yes <input type="checkbox"/> No
-------------------------------------	------------------------	-----------------------------------	--------------------------------	---	----------	---

[illegible]

BEAC_RULE26_000032

Facility Name
Liqui-Mark Corporation
Facility Address
130 Swalm Street, Westbury, NY 11590-4820

For Office Use Only		
Date Application Received	8/10/94	Facility I.D. 1449
Reviewed By	MS	Date Reviewed 8/12/94
Action:	<input type="checkbox"/> Not Req'd.	No. of Months
<input type="checkbox"/> Approved	<input type="checkbox"/> Disapproved	60

Location:	<input checked="" type="checkbox"/> Indoors <input type="checkbox"/> Outdoors	Bulk Storage Max.Quantity Stored:	Container Storage	Max.No. <u>4</u>	Max.Vol. <u>220 Gallons</u>
-----------	--	--------------------------------------	----------------------	------------------	-----------------------------

Secondary Containment:	<input type="checkbox"/> Impervious Berm/Dike	<input type="checkbox"/> Impervious Floor/Pad	<input type="checkbox"/> Roof	<input type="checkbox"/> Walls	<input type="checkbox"/> Floor Drain & Storage Tank	<input type="checkbox"/> None	<input checked="" type="checkbox"/> Other (Specify):	Containment Pans
Construction Material of Dike & Pad (Check all that Apply)	<input type="checkbox"/> Concrete	<input type="checkbox"/> Steel	<input type="checkbox"/> Other (Specify):				Security	<input type="checkbox"/> Yes <input type="checkbox"/> No

[illegible]

BEAC_RULE26_000033

ry, New York 11590-4820

[illegible]

COUNTY OF NASSAU, DEPARTMENT OF PUBLIC WORKS
Division of Sanitation and Water Supply
1 West Street, Mineola, N.Y. 11501

SEWER CONNECTION PERMIT ADDITIONAL CONDITIONS
130 SWALM STREET, WESTBURY, N.Y.

DATE	PERMIT NO.
11/16/94	5140642

"LIQUI-MARK" No. S-046002

The above numbered permit, attached hereto, is subject to the following additional conditions:
THE SEWER CONNECTION PERMIT FOR THIS FACILITY WILL BE MODIFIED TO REFLECT THE DISCHARGE OF INK KETTLE WASHWATER WITH MINOR RESIDUALS WILL BE ALLOWED. THE WASTE WATER WILL BE DISCHARGED AT A RATE OF 300 GAL. PER DAY. A SAMPLE OF THE WASTEWATER WAS TESTED ON 8/23/94 FROM A SAMPLE TAKEN BY SWS-CC LAB PERSONNEL. THE WASTEWATER WILL FLOW INTO A SINK DRAIN CONNECTED TO THE SANITARY SEWER. THIS FACILITY WILL MAINTAIN A STORE AND HAUL SYSTEM FOR ALL HAZARDOUS AND NON-HAZARDOUS WASTE MATERIALS INCLUDING INKS, SOLVENTS AND OTHER CHEMICALS USED IN THE MANUFACTURING PROCESS. SHOULD THE QUALITY OR INTENSITY OF THE COLOR BECOME EXCESSIVE, ADDITIONAL PRETREATMENT FOR COLOR REMOVAL OR REDUCTION WILL BE INCLUDED IN THE REQUIREMENTS. WASTEWATER PRE-TREATMENT NOT REQUIRED AT THIS TIME.

Requirements ok! R.T. 11-17-94

EXHIBIT F

**FOCUSSED REMEDIAL
INVESTIGATION REPORT
FOR
118-130 SWALM STREET
NEW CASSEL, NEW YORK**

**FOR SUBMITTAL TO
*THE NEW YORK STATE DEPARTMENT
OF ENVIRONMENTAL CONSERVATION***

PREPARED BY

FPM

***FANNING, PHILLIPS & MOLNAR
909 MARCONI AVENUE
RONKONKOMA, NEW YORK 11779***

JULY, 1999

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A	Data Validation Reports
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SECTION 1.0 INTRODUCTION

1.1 Overview

This Focussed Remedial Investigation (FRI) Report has been prepared by Fanning, Phillips and Molnar (FPM) for the Site owned by Barouh Eaton Allen Corp. (BEAC) located at 118-130 Swalm Street Westbury, New York (the "Site") (see Figure 1.1.1). The Site is located within the New Cassel Industrial Area (NCIA).

The NCIA is located in the unincorporated Village of Westbury in the Town of North Hempstead, Nassau County, New York. Due to volatile organic compound (VOC) contamination of the groundwater beneath the NCIA, the New York State Department of Environmental Conservation (NYSDEC) listed the entire NCIA on its registry of Inactive Hazardous Waste Disposal Sites (IHWDS) in 1988. Several subsurface investigations were conducted by the New York State Department of Environmental Conservation (NYSDEC) to delineate the contaminant plumes under the NCIA and locate the source of the contaminants.

Initial investigations conducted in 1993 and 1994 by Lawler, Matusky, & Skelly Engineers (LMS) identified several areas exhibiting significant groundwater contamination within the NCIA (LMS 1994). Potentially responsible parties for the two central section plumes and one of the western section plumes were identified; those facilities were listed as Class 2 sites on the registry of IHWDS. The remaining sites within the plume regions were designated as potential registry sites requiring additional investigation.

Lawler, Matusky & Skelly (LMS), as contractor to the NYSDEC, conducted a Multisite Preliminary Site Assessment (PSA) in 1995 on the sites that required additional investigation. The objectives of the Multisite PSA were to further delineate the contaminant plumes, locate the sources of

the contaminants, and assess the threat of each source to the environment. Based on the Multisite PSA investigation data, five properties were recommended for inclusion on the registry of IHWDS, 15 properties were not included on the registry, and 12 properties were determined to be potential registry sites.

To resolve the status of the remaining properties that were included as potential registry sites and address data gaps for several properties in the industrial area, additional PSA investigation activities were conducted by LMS in 1997. The investigation included additional file reviews, facility inspections, soil and groundwater sampling, and on-site mobile laboratory analysis. The data generated from the investigation was used to list the Site at 118-130 Swalm Street on the NYSDEC registry of IHWDS.

FPM was retained by McMillan, Rather, Bennett & Rigano, P.C. to prepare a FRI Work Plan to determine potential source areas at the Site and further evaluate groundwater contamination at and in the vicinity of the Site. The FRI Work Plan was approved by the NYSDEC, and the FRI was executed by FPM in December, 1998 and January, 1999. This report presents the procedures, results, conclusions, and recommendations of the FRI.

SECTION 2.0 SITE BACKGROUND AND SETTING

2.1 Current Conditions

The Site consists of approximately 1.1 acres and is located in an area of industrially-zoned properties. A one-story, 28,000-square-foot masonry and steel building occupies approximately 60 percent of the Site. The area on the Site north of the building consists of a former parking lot which now consists of asphalt and exposed soil. The area contains grass and weeds. A Site plan is presented in Figure 2.1.

Based on a Site inspection conducted by FPM, three subsurface drainage structures have been identified at the Site. One of these structures, which is located along Swalm Street, appears to be a former cesspool which received sanitary waste from the building. The other two structures, on the north side of the building, appear to have been used by former tenants of the building as leaching pools (possibly cesspools). Evidence of a former trench drain within the building was noted. The trench drain has been sealed with concrete to grade. The former drain led to the vicinity of the location of the two leaching structures outside of the building on the north side of the Site. None of the three subsurface drainage structures appear to be in use and none have been abandoned by backfilling to grade. A magnetometer was used to locate the manhole cover of one of the subsurface structures which was obscured by overlying soil and vegetation.

According to building department records, the Site has been connected to the municipal sewer system since 1980. At the request of FPM, the Nassau County Department of Public Works (NCDPW) performed a dye test at the facility on March 18, 1999 to confirm the connection to the public sewer. The NCDPW dye test confirmed that the facility is connected to the public sewer. There are no apparent storm drainage structures located on the Site.

2.2 Current Site Operations

The Site is currently occupied by Liqui-Mark Inc., which is a manufacturer of water-based marking pens, alcohol-based marking pens, and ballpoint pens. Liqui-Mark Inc. has been operating at the Site since June, 1994. During an inspection by FPM in July, 1997, there were no floor drains identified at the facility. In addition, since the Site has been connected to the municipal sewer system since 1980, there is no subsurface disposal associated with Liqui-Mark's operations.

2.3 Site History

According to the Town of North Hempstead Building Department records obtained by FPM, the Site is zoned Industrial-B and was developed in 1961 with a one-story steel and masonry industrial building. A Sanborn map dated 1968 indicated that the building contained a mechanical engraving company and a plastic extrusion company. Information supplied by the owner of the Site indicated that BEAC took title of the Site through Andrigal Enterprises on October 21, 1977. The LMS report indicated that numerous tenants have occupied the Site since that time. These include All Records Distributors from 1971 to 1974, Allomatic Industries from 1979 to 1992, Louis Jordan Labs from 1978 to 1980, Varitek Machine Co. from 1979 to 1992, and possibly Atlas Graphics in 1985. The current tenant, Liqui-Mark Corporation, has occupied the building since June, 1994. It should be noted that BEAC's records indicate that not all the above-listed tenants were present at the Site.

SECTION 3.0 ENVIRONMENTAL SETTING

3.1 Hydrogeologic Setting

The regional geology of the New Cassel area was derived from US Geological Survey Paper #1825 entitled, "Geology and Hydrology of Northeastern Nassau County, Long Island, New York (Ibister, 1986)". In the vicinity of the Site, the geology consists of a basement layer of Precambrian-age bedrock which occurs at a depth of approximately 900 feet below mean sea level (MSL).

Overlying the bedrock is a series of unconsolidated glacial deposits which includes the Lloyd Sand which is a stratified deposit consisting of discontinuous layers of sand, gravel, sandy clay, silt, and clay. The upper surface of the Lloyd Sand occurs at approximately 650 below MSL.

Overlying the Lloyd Sand is the Raritan Clay which consists chiefly of gray, red, white, and blue clay and silty clay and lenses of sand and gravel. The upper surface of the Raritan Clay occurs at approximately 550 below MSL in the vicinity of the Site. Overlying the Raritan Clay is the Magothy Formation which consists chiefly of interbedded gray and white fine sand and clayey sand and black, gray, white, and some red clay. Gravelly zones are common at the bottom of the formation but are rare in the upper part. The upper surface of the Magothy Formation is estimated to occur at 50 to 100 feet below the ground surface.

Overlying the Magothy Formation is the Upper Glacial Formation which, in the New Cassel area, is composed primarily of outwash deposits consisting of well-sorted stratified sand and gravel. The Upper Glacial deposits are the uppermost unit and are estimated to be 50 to 100 feet thick in the Site vicinity.

Based on the US Geological Survey Paper 82-4056 entitled, "Geology of the "20-foot" Clay and Gardiners Clay in Southern Nassau and Southwestern Suffolk Counties, Long Island, New York (Doriski and Wilde-Katz, 1982)", neither the 20-foot nor the Gardiners Clay exists under the NCIA.

The groundwater beneath the NCIA is recharged through infiltrating precipitation. The infiltrating precipitation accumulates above the bedrock and forms aquifers which correspond to the permeable geologic units. The depth to water is approximately 50 feet and the thickness of the Upper Glacial Formation is approximately 50 feet. Therefore, the Upper Glacial Aquifer may not exist in the Site vicinity and the first water-bearing unit may be the Magothy Aquifer.

The groundwater flow direction across the Site was ascertained from the Site Investigation Report for the New Cassel Industrial Area by LMS (February, 1995). The report showed that based on measurements from November 8 and 9, 1993, the groundwater flow direction in the vicinity of the Swalm Street Site was generally southwest (see Figure 2.1.1). Also, based on the groundwater elevation contour map of Nassau County for 1995, obtained from the NCDH, a groundwater divide exists approximately two miles north of the Site.

3.2 Surface Water and Drainage

The Site is located within an industrial park that has been serviced by the Nassau County Sewer System since approximately 1980. There are no wetlands, lakes, or streams in the Site area.

SECTION 4.0 REMEDIAL INVESTIGATION

The FRI field work was performed by FPM in December, 1998 and January, 1999. The NYSDEC was informed prior to the initiation of field work and a NYSDEC representative, Mr. Richard Gaborow, was present during portions of the field work. The following sections present the field procedures, results, and conclusions. Figure 4.1 shows all sampling locations.

4.1 Leaching Pool Sampling

Soil/sediment samples were obtained from leaching pool LP-1 located on the west side of the building along Swalm Street and leaching pools LP-2 and LP-3 located in the rear yard on the north portion of the Site (see Figure 4.1). LP-1 is no longer in use and appears to be a former cesspool which received sanitary waste from the building before connection to the Nassau County sewer. Pools LP-2 and LP-3 are not in use and may have been associated with a former trench drain inside the building which was reportedly used by former tenants. The samples were obtained for the purpose of evaluating potential on-Site sources of soil and/or groundwater contamination and to determine whether further sampling will be required as described in Section 6.2.1 of the FRI Work Plan.

Sediment samples were collected from each leaching pool by hand-augering through the opened manhole cover. Each sample was obtained from an approximate depth of one foot below the sediment surface. Recovered sediments were visually inspected, described, and screened with a PID. The recovered sediment samples were transferred to laboratory-supplied sample containers using a decontaminated stainless steel sampling spoon. Each sample container was labeled with the Site location, sample location, date and time of sampling, and analysis to be performed. The labeled sample containers were placed in laboratory-supplied coolers containing ice to depress the temperature to four degrees

Celsius. A chain of custody form was completed and placed with the samples to document the sequence of sample possession. The filled coolers were sealed and delivered via overnight courier to the subcontracted chemical analytical laboratory, Severn Trent Laboratories of Monroe, Connecticut. This laboratory is a NYSDOH-certified ELAP facility and the analyses were performed using USEPA Contract Laboratory Protocol (CLP) with NYSDEC ASP Category B deliverables. The leaching pool samples were analyzed for VOCs by USEPA Method 8260 plus 10 tentatively identified compounds (TICs).

4.2 Photoionization Detector Survey and Soil Sampling

4.2.1 Soil Vapor Survey

To determine if potential source areas are present in the soil in the area north of the building at the Site, FPM obtained 25 PID samples by creating a half-inch diameter, 30-inch-deep vent utilizing a slide hammer. The PID was used to measure the concentration of potential organic vapors by placing the tip of the PID in the opening of the vent immediately following the removal of the slide hammer. The PID readings were recorded at each location, and soil samples were chosen based on the results of the survey. The survey locations, soil sampling locations, and PID readings are shown on Figure 4.1.

The results of the soil vapor survey indicate that 6 of the 25 locations showed minor indications of organic vapors [up to 5.9 parts per million (ppm)]. Therefore, two soil samples were obtained at the locations of the two highest PID readings, (3.1 ppm and 5.9 ppm) and one soil sample was obtained from the vicinity of a small outdoor empty 55-gallon drum storage area, where a reading of 1.2 ppm was noted. The soil samples were obtained from a depth of one to two feet below ground surface at the soil vapor location using a decontaminated stainless-steel hand auger. The samples were transferred to laboratory-supplied sample containers using a decontaminated stainless steel sampling spoon. The filled sample

containers were labeled, managed, and tracked as described in Section 4.1. The samples were analyzed for VOCs by USEPA Method 8260 plus 10 TICs.

4.3 Geoprobe Soil Sampling

In addition to the soil samples collected during the soil vapor survey, two Geoprobe borings (FSG-1 and FSG-2) were performed at locations based on chemical analytical results of soil sampling performed previously by LMS (as shown on Figure 4.1). The purpose of these borings was to confirm the LMS results which showed tetrachloroethene at a concentration of 570 micrograms per kilogram (ug/kg) at a sampling depth of 18 to 19 feet (at SGP-198), and to determine the potential vertical extent of tetrachloroethene contamination in that area. To achieve this, samples were obtained by FPM at each boring location at depths of 18 to 20, 28 to 30, and 38 to 40 feet. Each sample was screened in the field with the PID to evaluate the presence of potential organic contaminants. A description of the soils were recorded from each sampling interval, and samples were transferred from the acetate sleeves to laboratory-supplied containers using a decontaminated stainless-steel sampling spoon. The filled sample containers were labeled, managed, and tracked as described in Section 4.1. The samples were analyzed for VOCs by USEPA Method 8260 plus 10 TICs.

4.4 Geoprobe Groundwater Sampling

Eight Geoprobe groundwater locations were sampled during the investigation, as shown on Figure 4.1. Nine Geoprobe locations were proposed in the FRI Work Plan. However, the NYSDEC approved a modification of the FRI Work Plan on December 23, 1998. The modification eliminated Geoprobe sampling location FG-8, and moved FG-9 to a location approximately 50 southwest of the location originally proposed in the FRI Work Plan. In addition, a third sample depth was added to locations FG-7 and FG-9. Samples were obtained from these locations approximately 5 feet below the water table, 15

feet below the water table, and 30 feet below the water table (the depth to groundwater at the Site is approximately 60 feet). Geoprobe groundwater samples were obtained from locations FG-1, FG-2, FG-3, FG-4, FG-5, and FG-6 at approximately 5 feet below the water table. Samples were obtained from each location using dedicated polyethylene tubing equipped with a check valve. The groundwater was surged by hand through the tubing directly into laboratory-supplied containers. Each groundwater sample container was labeled, managed, and tracked as described in Section 4.1. The samples were analyzed for VOCs by USEPA Method 8260 plus 10 TICs.

4.5 Quality Assurance/Quality Control

Quality Assurance/Quality Control (QA/QC) procedures were utilized during the performance of the FRI field work to ensure that the resulting chemical analytical data accurately represent subsurface conditions at the Site. The following sections include descriptions of the QA/QC procedures utilized and evaluations of the QA/QC results.

4.5.1 Equipment Decontamination Procedures

All sampling equipment was either dedicated disposable equipment or was decontaminated prior to use at each location. For groundwater sampling, dedicated disposable polyethylene tubing was used to obtain groundwater samples. The decontamination procedures utilized for all non-disposable sampling equipment (i.e., Geoprobe sampling rods, hand augers) were as follows:

1. The equipment was scrubbed in a bath of potable water and low-phosphate detergent followed by a potable water rinse;
2. The equipment was rinsed successively in methanol, hexane, and distilled water;
3. The equipment was allowed to air dry, if feasible, and wrapped in aluminum foil (shiny side out) for storage and transportation.

The decontamination procedures were evaluated by the use of equipment blank samples. These samples consist of aliquots of laboratory-supplied water which are poured over or through the dedicated or decontaminated sampling equipment and then submitted to the laboratory for analysis. An equipment blank sample was prepared for each matrix for each day that sampling was conducted at the Site and was analyzed for the target constituents for that day.

The results of the equipment blank samples are shown in Table 4.5.1 and are indicated by the "FB" prefix affixed to the sample numbers. The results indicate that the equipment decontamination procedures were successful in the prevention of cross-contamination between samples and that the sample results are not significantly impacted by the sampling procedures.

4.5.2 Other QA/QC Samples

Trip blank samples were utilized to evaluate the potential for VOC cross-contamination between samples in the same cooler. Trip blank samples consist of aliquots of laboratory water which are sealed in sample bottles at the laboratory and which are then transported to the field with the empty sample bottles. A trip blank was placed in each cooler on every day of sampling and was managed in the field and analyzed in the laboratory in the same manner as the primary environmental samples.

Trip blank sample results are shown on Table 4.5.1 and are indicated by the "TB" prefix on the sample numbers. The results show that the few detections of VOCs in the trip blank samples were for methylene chloride which is a common laboratory contaminant and that the detected concentrations were below the quantified instrument detection limit. Therefore, there is no clear indication of cross-contamination in the samples.

A blind duplicate sample for each matrix was obtained at a frequency of at least five percent of the total number of environmental samples and were used to attest to the precision of the laboratory. A

TABLE 4.5.1
QUALITY ASSURANCE/QUALITY CONTROL SAMPLES
118-130 SWALM STREET, NEW CASSEL NEW YORK

Sample Location Sample Depth (in feet) Sample Date Parameter	FB-1 - 12/16/98	FB-2 - 12/16/98	FB-3 - 12/17/98	FB-4 - 12/18/98	FB-5 - 12/18/98	FB-1 - 1/8/98	TB-1 - 12/16/98	TB-2 - 12/17/98	TB-1 - 12/18/98	TB-1 - 1/8/99	FG-1 - 12/17/98	FG-1 Duplicate 12/17/98	LP-1 - 12/18/98	LP-1 Duplicate 12/18/98
Volatile Organic Compounds in micrograms per liter														
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5 J	ND	ND
Methylene Chloride	0.7 J	0.8 J	ND	4 J	4 J	2 J	0.8 J	0.8 J	4 J	2 J	ND	ND	8	ND
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	70 B	73 B	33 B	ND
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6 J	0.7 J	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7	30
1,1,-Dichloroethene	ND	0.5 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5 J	ND	ND
1,2-Dichloroethene (total)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	54	ND
Chloroform	ND	ND	3 J	4 J	3 J	3 J	ND	ND	ND	ND	ND	ND	ND	4 J
2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.8 J	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	340 D	220
4-Methyl-2-Pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 J	ND	ND	24
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3 J	3 J	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5 J	0.6 J	42	24
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 J	1 J	2 J	ND
Xylene (total)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.7 J	0.6 J	ND	ND

Notes: Only detected compounds are reported. See laboratory report for complete analytical data.
 ND = Not Detected.
 J = Indicates an estimated value which is less than the specified detection limit but greater than zero.
 B = Indicates the analyte was found in both the sample and associated laboratory blank.
 D = Indicates compound identified in an analysis at a secondary dilution factor.

blind duplicate consists of a separate aliquot of sample collected at the same time, in the same manner, and analyzed for the same parameters as the primary environmental sample. The blind duplicate samples are labeled in a manner such that they cannot be identified by the laboratory. The sample results are compared to those of the primary environmental sample to evaluate if the results are similar.

Blind duplicate sample results are shown on Table 4.5.1. The results show that, in general, the primary sample results and duplicate sample results vary by less than 10 percent and, therefore, the laboratory results show a high degree of precision. Variation between the primary and duplicate sample results may be affected by differences in sample matrix, particularly for soil samples. The results for the primary and duplicate soil samples are consistent with minor variations in sample matrix.

Matrix spike/matrix spike duplicate (MS/MSD) samples were collected at a frequency of one per 20 environmental samples for each matrix. The purpose of the MS/MSD samples is to confirm the accuracy and precision of the laboratory. The MS/MSD results were evaluated during the performance of data validation as discussed in Section 4.5.4 below.

4.5.3 Chain-of-Custody Procedures

For each day of sampling, chain-of-custody (COC) sheets were completed and submitted to the laboratory with the samples collected that day. A copy of each COC sheet was retained by FPM for sample tracking purposes. Each COC sheet included the project name, the sampler's signature, the sampling locations and intervals, and the analytical parameters requested.

4.5.4 Data Validation

All chemical analytical results were subjected to data validation by FPM according to the protocols and QC requirements of the analytical method, USEPA Contract Laboratory Program (CLP) National Functional Guidelines for Organic Data Review (revision February, 1994), USEPA Region II CLP

Organic Data Review, (May, 1996), and the reviewer's professional judgement. The data validation was performed to verify that the analytical results are of sufficient quality to be relied upon to assess the potential contamination in the soils and groundwater at the Site. A Data Validation and Usability Report is included in Appendix A.

The majority of the data quality issues identified for the VOCs were related to low-level detections of common laboratory contaminants (methylene chloride, acetone, etc.) in blank samples and excessive matrix interference. The results of the data validation were used to qualify the analytical data received from the laboratory. The qualifications recommended in the data validation reports have been applied to the data tables presented in the following sections.

4.6 Soil/Sampling Results

Chemical analysis of the soil samples obtained from the leaching pools, soil vapor survey locations, and the Geoprobe sampling unit are discussed below.

4.6.1 Leaching Pool Sediment Quality Data

Sediment samples were collected for chemical analysis from each of the three leaching pools (LP-1, LP-2, and LP-3) at the Site. The samples consisted of mostly dark brown, fine to medium sand. Each of the sediment samples were screened in the field with a PID. The PID did not detect the presence of organic contaminants in the soils in any of the leaching pools.

The chemical analytical results from the leaching pool samples are presented in Tables 4.6.1 and are compared to the NYSDEC TAGM- 4046 Recommended Soil Cleanup Objectives (the Objectives).

Minor concentrations of VOCs (primarily tetrachloroethene and trichloroethene) were detected in each of the leaching pool sediment samples.

TABLE 4.6.1
LEACHING POOL SEDIMENT CHEMICAL ANALYTICAL RESULTS
118-130 SWALM STREET, NEW CASSEL NEW YORK

Sample Location Sample Depth (in feet)* Sample Date Parameter	LP-1 0 to 1 12/18/98	LP-2 0 to 1 12/18/98	LP-3 0 to 1 12/18/98	NYSDEC TAGM 4046 Soil Cleanup Objective
Volatile Organic Compounds in micrograms per kilogram				
Methylene Chloride	8	7	26 J	100
Acetone	33 B	26 B	39 JB	200
1,1-Dichloroethane	7	ND	5 J	200
1,2-Dichloroethene (total)	54	ND	ND	250
Chloroform	6	ND	ND	300
1,1,1-Trichloroethane	0.8 J	ND	9 J	800
Trichloroethene	340 D	8	120	700
Tetrachloroethene	42	180	660	1,400
Toluene	2 J	ND	ND	1,500

Notes:

Only detected compounds are reported. See laboratory report for complete analytical data.

ND = Not Detected.

J = Indicates an estimated value which is less than the specified detection limit but greater than zero.

B = Indicates the analyte was found in both the sample and associated laboratory blank.

D = Indicates compound identified in an analysis at a secondary dilution factor.

* = Depth below sediment surface.

Bold values exceed NYSDEC Soil Cleanup Objective.

However, the VOCs were detected at concentrations that were less than half of the Objectives for each VOC. In addition, the results for methylene chloride and acetone may represent laboratory contamination since the methylene chloride was detected in the field and trip blanks and the acetone was detected in the laboratory method blanks. These VOCs are both common laboratory contaminants and their presence in the samples is questionable.

In addition to the target compounds, some minor VOC TICs were detected in each of the samples. However, the compounds detected have been determined to be common laboratory artifacts, and the reported detections of the TICs are, therefore, questionable. A more detailed discussion of the TICs is presented in the Data Validation and Usability Report in located in Appendix A.

4.6.2 Photoionization Detector Survey and Soil Sampling

Based on the results of the PID survey, three soil samples were obtained from a depth of one to two feet below ground surface. The soil encountered at this depth was generally a light brown-tan medium sand with a trace gravel. There was no visual indication of contamination noted in any of the samples. Each of the soil samples were screened in the field with a PID. The PID did not detect the presence of organic contaminants in the soil samples.

The chemical analytical results from the soil samples are presented in Tables 4.6.2, and are compared to the Objectives.

Minor concentrations of VOCs were noted in the samples obtained. One compound was detected in SVS-3, which was tetrachloroethene at a concentration of 14 ug/kg. Tetrachloroethene was also noted in SVS-2 at a concentration of 82 ug/kg. 1,1,2-Trichloroethane was detected in sample SVS-2 at a concentration of 14 ug/kg. The remaining compounds detected were quantified at a concentration below the minimum specified detection limit, but greater than zero.

TABLE 4.6.2
SOIL VAPOR SURVEY SOIL CHEMICAL ANALYTICAL RESULTS
118-130 SWALM STREET, NEW CASSEL NEW YORK

Sample Location Sample Depth (in feet)* Sample Date	SVS-1 0 to 1 12/18/98	SVS-2 0 to 1 12/18/98	SVS-3 0 to 1 12/18/98	NYSDEC TAGM 4046 Soil Cleanup Objective
Parameter				
Volatile Organic Compounds in micrograms per kilogram				
Methylene Chloride	2 J	2 J	ND	100
Acetone	7 J	7 J	ND	200
Trichloroethene	ND	2 J	ND	700
1,1,2-Trichloroethane	ND	14	ND	6,000
4-Methyl-2-Pentanone	1 JB	1 JB	ND	1,000
Tetrachloroethene	ND	82	14	1,400

Notes:

Only detected compounds are reported. See laboratory report for complete analytical data.

ND = Not Detected.

J = Indicates an estimated value which is less than the specified detection limit but greater than zero.

B = Indicates the analyte was found in both the sample and associated laboratory blank.

* = Depth below sediment surface.

Bold values exceed NYSDEC Soil Cleanup Objective.

Based on the results of the chemical analysis of the soil samples, there are indications of the presence of minor concentrations of VOCs in the soils in the lot north of the building. All of the compounds detected were well below the Objectives.

4.6.3 Geoprobe Soil Sampling Results

Two Geoprobe sampling locations (FSG-1 and FSG-2) were performed at locations based on chemical analytical results of soil sampling performed previously by LMS. Samples were obtained at each location from 18 to 20 feet, 28 to 30 feet, and 38 to 40 feet below ground surface. The material encountered at each location was described as a light brown-tan well-graded, fine to coarse sand with gravel for both the 18 to 20 and 28 to 30 foot depth intervals. The 38 to 40 foot depth interval at both locations consisted of a tan-orange, fine to medium sand with silt. There was no visual indication of contamination in any of the samples obtained. Field screening using the PID did not indicate evidence of organic contamination.

The chemical analytical results from the Geoprobe soil samples are presented in Table 4.6.3 and are compared to the Objectives.

The results of the chemical analysis indicates that location FSG-2 (28 to 30 feet) was the only sample in which a compound was detected above the minimum specified detection limit, which was methylene chloride at a concentration of 5 ug/kg. Acetone was detected in all samples except FSG-2 at a concentration of up to 31 ug/kg (acetone was also detected in the method blank). However, as discussed previously, the presence of methylene chloride and acetone in the samples is questionable.

Therefore, the previous detection of tetrachloroethene in the samples obtained by LMS could not be confirmed. The previous LMS detection may have been the result of minor amounts of tetrachloroethene (570 ug/kg) in a vertically and horizontally limited area.

TABLE 4.6.3
GEOPROBE SOIL SAMPLING CHEMICAL ANALYTICAL RESULTS
118-130 SWALM STREET, NEW CASSEL NEW YORK

Sample Location Sample Depth (in feet) Sample Date Parameter	FSG-1 18-20 12/16/98	FSG-1 28-30 12/16/98	FSG-1 38-40 12/16/98	FSG-2 18-20 12/18/98	FSG-2 28-30 12/18/98	FSG-2 38-40 12/18/98	NYSDEC TAGM 4046 Soil Cleanup Objective
Volatile Organic Compounds in micrograms per kilogram							
Methylene Chloride	3 J	3 J	3 J	ND	5	4 J	100
Acetone	9 JB	8 JB	10 JB	ND	31 B	21 B	200
2-Butanone	ND	1 J	2 J	ND	ND	ND	300
Trichloroethene	ND	ND	ND	1 J	1 J	ND	700
4-Methyl-2-Pentanone	1 JB	0.9 JB	ND	ND	ND	ND	1,000

Notes:

Only detected compounds are reported. See laboratory report for complete analytical data.

ND = Not Detected.

J = Indicates an estimated value which is less than the specified detection limit but greater than zero.

B = Indicates the analyte was found in both the sample and associated laboratory blank.

Bold values exceed NYSDEC Soil Cleanup Objective.

4.7 Groundwater/Sampling Results

Groundwater samples were obtained from eight locations in the vicinity of the Site. Sampling locations FG-1, FG-2, FG-3, and FG-4 were located hydrogeologically upgradient of the Site on the north side of Railroad Avenue to evaluate potential contamination entering the Site from potential upgradient sources. Sampling locations FG-5 and FG-6 were located along the southern boundary of the Site property line to delineate the eastern extent of the groundwater contamination. Groundwater samples were obtained from approximately 5 feet below the water table at these locations. Groundwater was sampled from three depths at locations FG-7 and FG-9. These were approximately 5 feet below the water table, 15 feet below the water table, and 30 feet below the water table.

The chemical analytical results from the groundwater sampling are presented in Tables 4.7.1, and are compared to the NYSDEC Class GA Water Quality Standards (the Standards).

The groundwater chemical analysis shows that only three sample locations showed exceedances of the Standards. The exceedances were all for tetrachloroethene and occurred at FG-6 (at 8 ug/l), FG-7 (at 7 ug/l), and FG-9 (at 560 ug/l). All the exceedances were found in the shallow (water table) sample depths.

The results were compared to the previous sampling round by LMS (see Appendix B) for Section 4.0 of the FPM work plan which presents a summary of the prior groundwater sampling). The recent results show a significant decrease in the concentration of tetrachloroethene at and in the vicinity of the Site. For the upgradient samples, low levels of tetrachloroethene were detected (0.5 to 3 ug/l). This information, in conjunction with previous sampling of a well known as NC-16 which is located north of the railroad tracks and showed tetrachloroethene at 61 ug/l in a 1993 sample and 56 ug/l in a 1995 sample, provides strong evidence of an upgradient source.

TABLE 4.7.1
WATER SAMPLE CHEMICAL ANALYTICAL DATA
118-130 SWALM STREET, NEW CASSEL NEW YORK

Sample Location Sample Depth (in feet) Sample Date Parameter	FG-1 56-58 12/17/98	FG-2 56-58 12/17/98	FG-3 56-58 12/17/98	FG-4 56-58 12/18/98	FG-5 61-63 12/18/98	FG-6 61-63 12/16/98	FG-7 61-63 1/8/99	FG-7 76-78 1/8/99	FG-7 91-93 1/8/99	FG-9 61-63 1/8/99	FG-9 76-78 1/8/99	FG-9 91-93 1/8/99	NYSDEC Class GA Water Quality Standards
Volatile Organic Compounds in micrograms per liter													
Chloroethane	ND	2 J	ND	ND	ND	2 J	ND	ND	ND	ND	ND	ND	5
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	4 J	ND	ND	5
Acetone	70 B	23 B	ND	54 J	29 J	29 B	6 JB	3 JB	3 JB	12 JB	ND	ND	-
Carbon Disulfide	0.6 J	ND	ND	ND	ND	1 J	ND	ND	ND	ND	ND	ND	-
1,1-Dichloroethene	ND	ND	ND	ND	ND	0.7 J	ND	ND	ND	ND	ND	ND	5
1,1-Dichloroethane	ND	ND	ND	ND	ND	5	ND	ND	ND	3 J	ND	ND	5
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	4 J	ND	ND	7
2-Butanone	ND	8 J	ND	16	10	10	4 J	ND	ND	10 J	ND	ND	-
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	2 J	ND	ND	ND	3 J	ND	ND	5
Trichloroethene	ND	ND	ND	ND	ND	1 J	ND	3 J	2 J	13 J	1 J	3 J	5
4-Methyl-2-Pentanone	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2 J	-
2-Hexanone	3 J	0.7 J	ND	ND	ND	4 J	ND	ND	ND	ND	ND	ND	-
Tetrachloroethene	0.5 J	3 J	2 J	ND	5	8	7	0.7 J	1 J	560	ND	0.7 J	5
Toluene	1 J	0.7 J	ND	0.8 J	ND	0.7 J	ND	0.5 J	ND	0.7 J	0.5 J	ND	5
Xylene (total)	0.7 J	0.6 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5

Notes: Only detected compounds are reported. See laboratory report for complete analytical data.

ND = Not Detected.

J = Indicates an estimated value which is less than the specified detection limit but greater than zero.

B = Indicates the analyte was found in both the sample and associated laboratory blank.

- = Indicates no standard available for the specified compound.

Bold values exceed NYSDEC STARS Guidance Values.

For the on-Site samples, FG-7 (which is located north of the building) and FG-6 (which is located south of the building), the tetrachloroethene concentrations detected were minimal. The off-Site downgradient sample FG-9 showed the highest concentration (560 ug/l) but it is significantly lower than previous samples in this area including LMS sample GP-184 which showed a concentration of 1,500 ug/l in 1995. Also, the concentrations of tetrachloroethene at FG-9 decreased to non-detect or near non-detect in the deeper samples obtained 15 and 30 feet respectively below the water table.

In summary, minimal concentrations were detected on-Site which is likely to be due, at least in part, to contamination from upgradient sources. The downgradient concentration is significantly lower than past sampling in that area.

APPENDIX B

PREVIOUS ENVIRONMENTAL INVESTIGATIONS

SECTION 5.0 CONCLUSIONS

The data collected during the FRI and during previous field investigations were utilized to evaluate the subsurface conditions and draw the following conclusions regarding the Site.

The results of the soil/sediment sampling at the Site show that tetrachloroethene was detected in the leaching pools and soil at concentrations well below the Objectives. The highest concentration detected was less than half of the Objective. Other minor concentrations of VOCs were also detected, however, all were well below the Objectives.

For the groundwater, minor concentrations of tetrachloroethene were detected on Site as well as upgradient of the Site. One downgradient location FG-9 showed the highest concentration of tetrachloroethene, however, the concentrations have significantly decreased since the previous sampling round. The impacted zone is also confined to the area in the vicinity of the water table.

The decrease in groundwater concentrations appears to indicate that the source area for the tetrachloroethene in the groundwater, which may have existed upgradient of the Site, is no longer acting as a significant source of groundwater contamination. Therefore, it does not appear that further investigation of the soil at the Site is warranted.

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SECTION 7.0 DISCLAIMER

Conclusions from this data are limited to those areas focused on in the study and represent our best judgement using analytical techniques and our past experience. Even though our investigation has been scientific and thorough, it is possible that certain areas of this Site may pose environmental concerns that yet are undiscovered. In addition, environmental regulations may change in the future and could have an effect on our conclusions.

APPENDIX A

DATA VALIDATION REPORT

EXHIBIT G

SUPPLEMENTAL FOCUSSED REMEDIAL

INVESTIGATION REPORT

FOR THE PROPERTY LOCATED AT

118-130 SWALM STREET

WESTBURY, NEW YORK

PREPARED FOR THE

NEW YORK STATE

DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PREPARED BY

FPM group

(Formerly FANNING, PHILLIPS AND MOLNAR)

909 MARCONI AVENUE

RONKONKOMA, NEW YORK 11779

MAY, 2000

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APPENDIX

A	Laboratory Data Report
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SECTION 1.0 INTRODUCTION

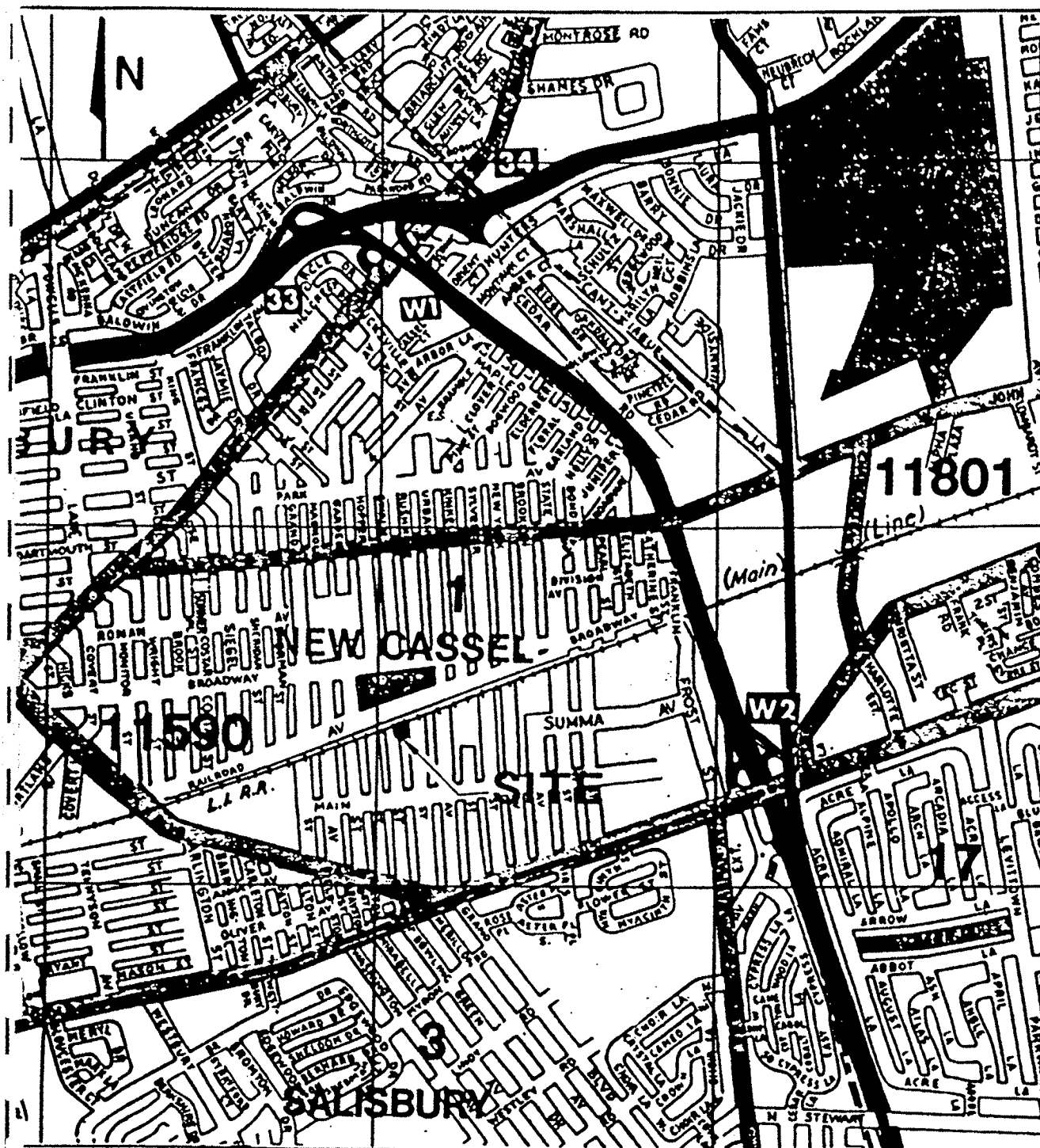
1.1 Overview

This Supplemental Focussed Remedial Investigation (FRI) Report has been prepared by FPM Group for the property located at 118-130 Swalm Street, Westbury, New York (the "Site") (see Figure 1.1.1). The Site is located within the New Cassel Industrial Area (NCIA).

The NCIA is located in the unincorporated Village of Westbury in the Town of North Hempstead, Nassau County, New York. Due to volatile organic compound (VOC) contamination of the groundwater beneath the NCIA, the New York State Department of Environmental Conservation (NYSDEC) listed the entire NCIA on its Registry of Inactive Hazardous Waste Disposal Sites (IHWDSs) in 1988. Several subsurface investigations were conducted by the New York State Department of Environmental Conservation (NYSDEC) to delineate the contaminant plumes under the NCIA and locate the source of the contaminants.

Initial investigations conducted in 1993 and 1994 by Lawler, Matusky, & Skelly Engineers (LMS) identified several areas exhibiting significant groundwater contamination within the NCIA (LMS 1994). Potentially responsible parties for the two central section plumes and one of the western section plumes were identified; those facilities were listed as Class 2 sites on the Registry of IHWDSs. The remaining sites within the plume regions were designated as potential registry sites requiring additional investigation.

Lawler, Matusky & Skelly (LMS), as contractor to the NYSDEC, conducted a Multisite Preliminary Site Assessment (PSA) in 1995 on the sites that required additional investigation. The objectives of the Multisite PSA were to further delineate the contaminant plumes, locate the sources of the contaminants, and assess the threat of each source to the environment. Based on the Multisite PSA



Fanning, Phillips & Molnar
Engineers

FIGURE 1.1
SITE LOCATION PLAN
118-130 SWALM STREET
NEW CASSEL, NEW YORK

Drawn By: L.G. Checked By: B.K. Date: 8/12/97

SECTION 2.0 SITE BACKGROUND AND SETTING

2.1 Current Conditions

The Site consists of approximately 1.1 acres and is located in an area of industrially-zoned properties. A one-story, 28,000-square-foot masonry and steel building occupies approximately 60 percent of the Site. The area on the Site north of the building consists of a former parking lot which consists of asphalt and exposed soil. The area contains grass and weeds. A Site plan is presented in Figure 2.1.

During the previous Site inspection conducted by FPM, three subsurface drainage structures were identified at the Site. During the Supplemental FRI, an additional subsurface structure was identified. None of the four subsurface drainage structures are in use.

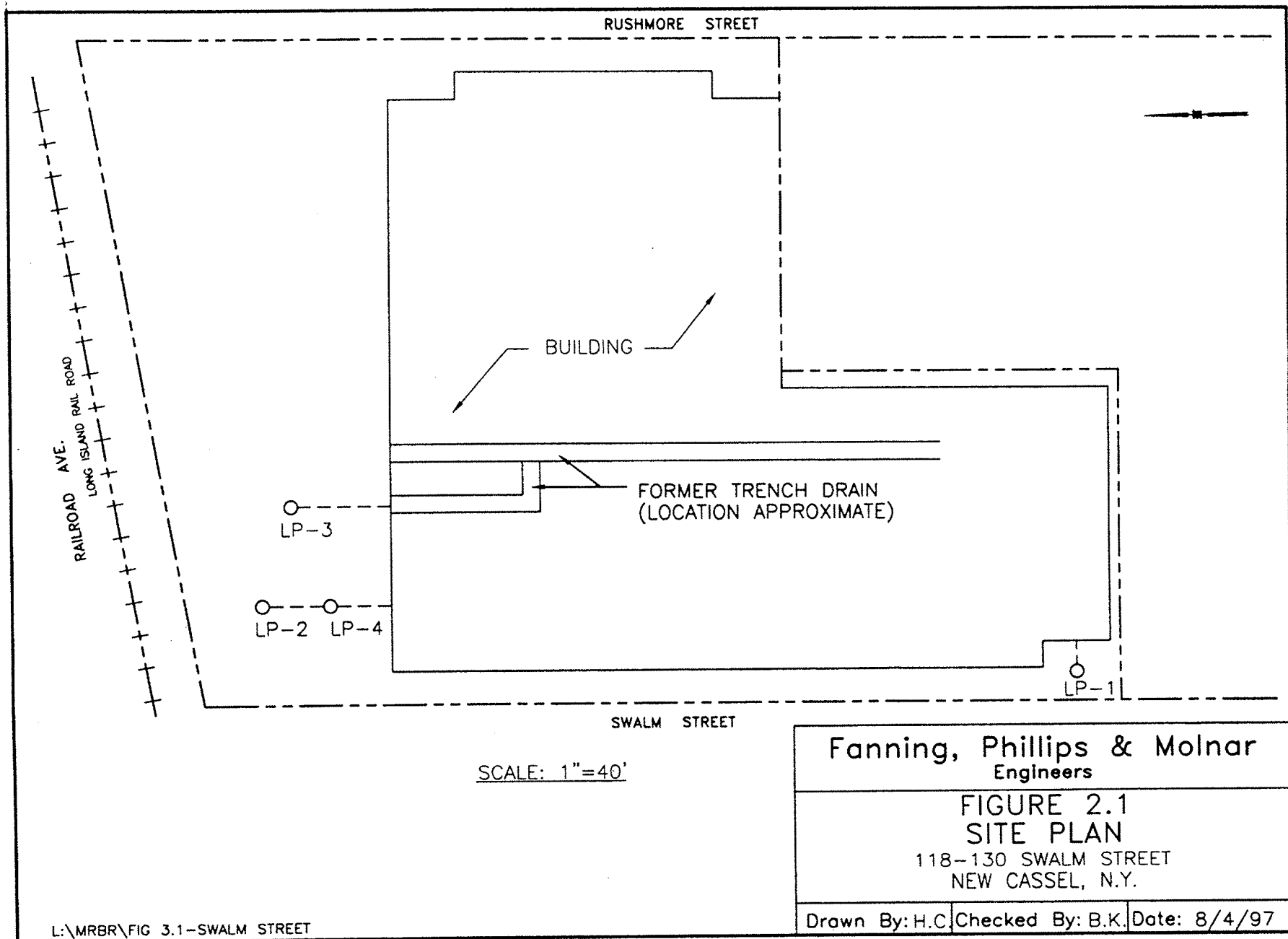
According to building department records, the Site has been connected to the municipal sewer system since 1980. The Nassau County Department of Public Works (NCDPW) performed a dye test at the facility on March 18, 1999. The NCDPW dye test confirmed that the facility is connected to the public sewer. No storm drainage structures were noted on the Site.

2.2 Current Site Operations

The Site is currently occupied by Liqui-Mark Inc., which is a manufacturer of water-based marking pens, alcohol-based marking pens, and ballpoint pens. Liqui-Mark Inc. has been operating at the Site since June, 1994.

2.3 Site History

According to the Town of North Hempstead Building Department records obtained by FPM, the Site is zoned Industrial-B and was developed in 1961 with a one-story steel and masonry industrial



building. A Sanborn map dated 1968 indicated that the building contained a mechanical engraving company and a plastic extrusion company. Information supplied by the owner of the Site indicated that BEAC took title of the Site through Andrigal Enterprises on October 21, 1977. The LMS report indicated that numerous tenants have occupied the Site since that time. These include All Records Distributors from 1971 to 1974, Allomatic Industries from 1979 to 1992, Louis Jordan Labs from 1978 to 1980, Varitek Machine Co. from 1979 to 1992, and possibly Atlas Graphics in 1985. The current tenant, Liqui-Mark Corporation, has occupied the building since June, 1994.

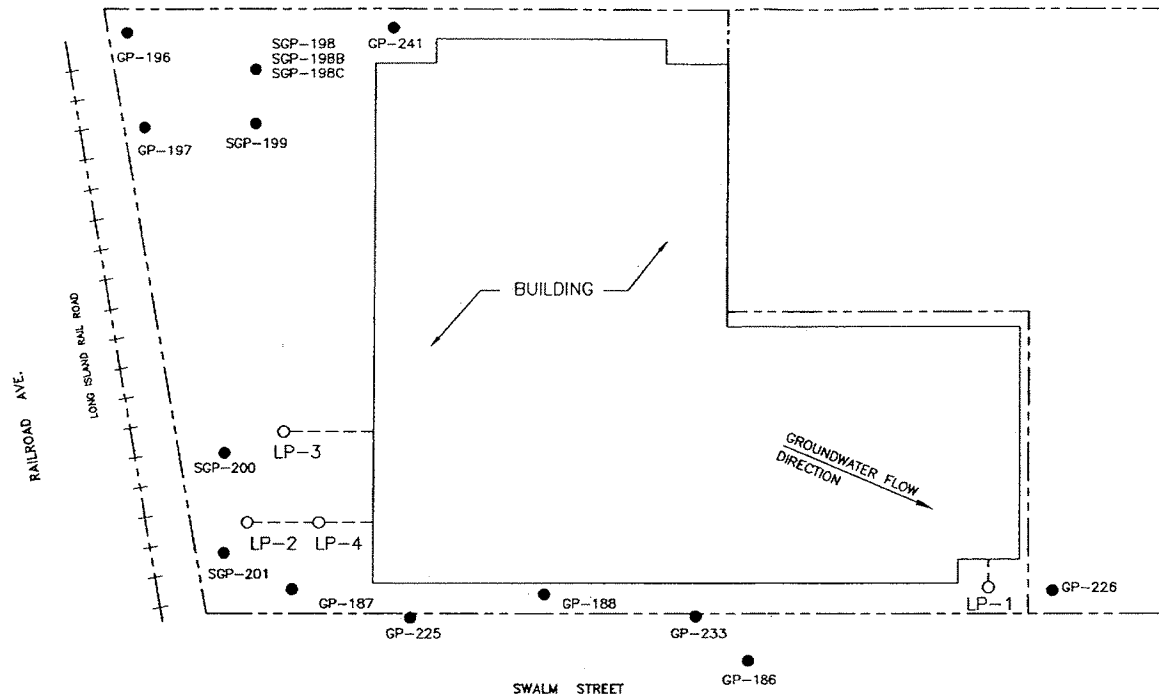
2.4 Previous Soil Investigations

Information regarding the environmental history of the Site was obtained from the March, 1997 LMS report entitled "Multisite PSA Task 4 Report". The report contained soil and groundwater sampling data for the 118-130 Swalm Street Site.

In October, 1996, LMS conducted a round of soil sampling at the NCIA. A total of four soil sampling locations were located on the Site, and the locations (SGP-198, 199, 200, and 201) are shown on Figure 2.4.1. Samples were obtained from each location at varying depths and analyzed for Target Compound List VOCs. The results are summarized in Table 2.4.1. In general, the concentrations of the detected compounds were found to be very low, and none of the concentrations were above NYSDEC TAGM-4046 Soil Cleanup Objectives (TAGM-4046 Objectives). The detected compounds were PCE (detected at a maximum concentration of 0.57 mg/kg which is well below the TAGM-4046 Objective of 1.4 mg/kg), methylene chloride (detected at a maximum concentration of 0.0018 mg/kg which is well below the TAGM-4046 Objective of 0.1 mg/kg and was also detected in an associated blank and, therefore, the result is questionable), trichloroethylene (TCE) (detected at one location at a concentration

● NC-16

RUSHMORE STREET



LEGEND

- GP-196 GROUNDWATER OR SOIL SAMPLING LOCATION
- ⊙ NC-16 GROUNDWATER MONITORING WELL LOCATIONS

SCALE: 1"=40'

(SAMPLING LOCATIONS ARE APPROXIMATE)

Fanning, Phillips & Molnar
Engineers

FIGURE 2.4.1
1995/1996 SOIL AND GROUNDWATER
SAMPLING LOCATIONS
118-130 SWALM STREET
NEW CASSEL, N.Y.

Drawn By: L.G. Checked By: B.K. Date: 8/4/97

TABLE 2.4.1
SUMMARY OF SOIL SAMPLING RESULTS*
(SAMPLES OBTAINED OCTOBER, 1996)

Sample Location	Depth Interval	Compound (mg/kg)			
		Methylene Chloride	PCE	TCE	Toluene
SGP-198	10 - 11 ft.	0.0017	ND	ND	ND
SGP-198	18 - 19 ft.	ND	0.57	ND	ND
SGP-198B	10 - 12 ft.	ND	ND	ND	ND
SGP-198B	17 - 19 ft.	ND	ND	ND	ND
SGP-198C	3 - 4 ft.	ND	ND	ND	ND
SGP-198C	10 - 12 ft.	ND	ND	ND	ND
SGP-198C	17 - 19 ft.	ND	ND	ND	ND
SGP-199	10 - 11 ft.	ND	ND	ND	ND
SGP-199	14 - 15 ft.	ND	ND	ND	ND
SGP-200	1 - 2 ft.	ND	0.030	0.023	0.0011
SGP-200	11 - 12 ft.	ND	ND	ND	ND
SGP-200	17 - 19 ft.	ND	ND	ND	ND
SGP-201	1 - 2 ft.	ND	0.0018	ND	0.0025
SGP-201	17 - 19 ft.	0.0018 B	ND	ND	ND
Soil Cleanup Objective	-	0.1	1.4	0.7	1.5

Notes:

mg/kg = milligrams per kilogram

B = Detected in associated blanks

ND = Not Detected

* = Results from Multisite PSA Task 4 Report (LMS, 1997).

of 0.023 mg/kg which is well below the TAGM-4046 Objective of 0.7 mg/kg), and toluene (detected at a maximum concentration of 0.0025 mg/kg which is well below the TAGM-4046 Objective of 1.5 mg/kg).

It should be noted that an error occurred in the Multisite PSA Task 4 Report by LMS (March, 1997). On page 6-13 of the report it is stated "Target compounds were detected in three of the four [soil] samples completed. Concentrations range from ND [non-detected] in SGP-200 (11-12 ft. and 14-15 ft.) to 0.708 mg/kg PCE at SGP-198 (18-19 ft.) (Figure 6-35)." Based on FP&M's review of the report, neither the data summary tables nor Figure 6-35 of the LMS report shows that PCE was detected at 0.708 mg/kg (the highest detection of PCE in soil at the Site was 0.57 mg/kg).

2.5 Previous Groundwater Investigations

A summary of LMS groundwater sampling results for the years 1995 and 1996 is presented in Table 2.5.1. All of the groundwater samples were analyzed for VOCs. A total of 10 groundwater sampling points were located at and immediately adjacent to the Site (identified as "GP" locations on Figure 2.4.1). The groundwater samples were obtained at each sampling location from three different depth intervals: the water table to 65 feet, 65 feet to 85 feet, and greater than 85 feet. The results of the groundwater sampling show that PCE was detected primarily in the shallow groundwater with significant decreases in concentration with increased depth. Therefore, the contamination at the Site primarily exists in the zone from the water table (55 feet below land surface) to 65 feet below land surface. The groundwater contamination primarily consists of PCE; very minor amounts of cis-1,2-dichloroethylene and trichloroethylene were also detected at the Site.

The groundwater results show that PCE had existed in the groundwater beneath the Site at concentrations as high as 1,800 ug/l at the Site. It should also be noted that both upgradient groundwater samples obtained along the eastern side of the northern border, both showed detections of PCE (one of

TABLE 2.5.1
SUMMARY OF GROUNDWATER SAMPLING RESULTS (ug/l)
OCTOBER TO DECEMBER, 1995 SAMPLES

Sample Location	Depth Interval		
	Water Table to 65 ft.	65 ft. to 85 ft.	>85 ft.
GP-184	PCE 1500	ND	BQL
	TCE 100		
GP-186	PCE 1800	ND	ND
GP-187	PCE 120	ND	ND
GP-188	PCE 1300	PCE 150	NS
		TCE 6.1	

OCTOBER TO NOVEMBER, 1996 SAMPLES

Sample Location	Depth Interval		
	Water Table to 65 ft.	65 ft. to 85 ft.	>85 ft.
GP-196	PCE 7.5	PCE 6.0	PCE ND
			TCE 5.6
			1,2-DCE 1.2
GP-197	PCE 160	PCE 1.3	ND
GP-225	PCE 970	ND	PCE 1.3
GP-226	PCE 1600	ND	PCE 1.4
			TCE 2.4
GP-233	PCE 1100	PCE 5.3	NS
GP-241	PCE 9.5	ND	PCE ND
			TCE 5.5

Notes:

ND = Not Detected

NS = Not Sampled

ug/l = micrograms per liter

the upgradient samples showed a concentration of 160 ug/l). In addition, as per the Multisite PSA Task 4 Report, a well installed by the NCDH known as NC-16 and existing on the north side of the railroad tracks and west of Swalm Street, showed PCE concentrations of 61 ug/l in a 1993 sample and 56 ug/l in a 1995 sample. This location appears to be directly upgradient of the Site.

2.6 Previous FPM Investigations

In the previous FRI report for the Site dated July, 1999, FPM obtained shallow sediment samples from the leaching pools at the Site, performed confirmatory sampling in the area of a previous LMS soil sample, performed a soil vapor survey and soil sampling, as well as obtaining additional Geoprobe groundwater samples.

Figure 2.6.1 shows the previous FPM sampling locations. The sampling was performed in December, 1998.

The results of the leaching pool investigation (see Table 2.6.1) show that minor levels of VOCs were detected in all pools. At leaching pool LP-3, the highest detection of PCE (660 parts per billion or ppb) was found. That concentration is well below the TAGM-4046 Objective of 1,400 ppb. Based on these detections, FPM performed vertical profiling of the leaching pools as documented later in this report.

Shallow soil samples were obtained at three locations based on the soil vapor survey. The results are found in Table 2.6.2 and show minor VOC concentrations. PCE was detected at one location (SVS-2) at a concentration of 82 ppb.

Two deep soil borings were performed and a total of five multiple-depth samples were obtained in the area of previous LMS boring SGP-198 which contained 570 ppb of PCE at 18 to 19 feet below

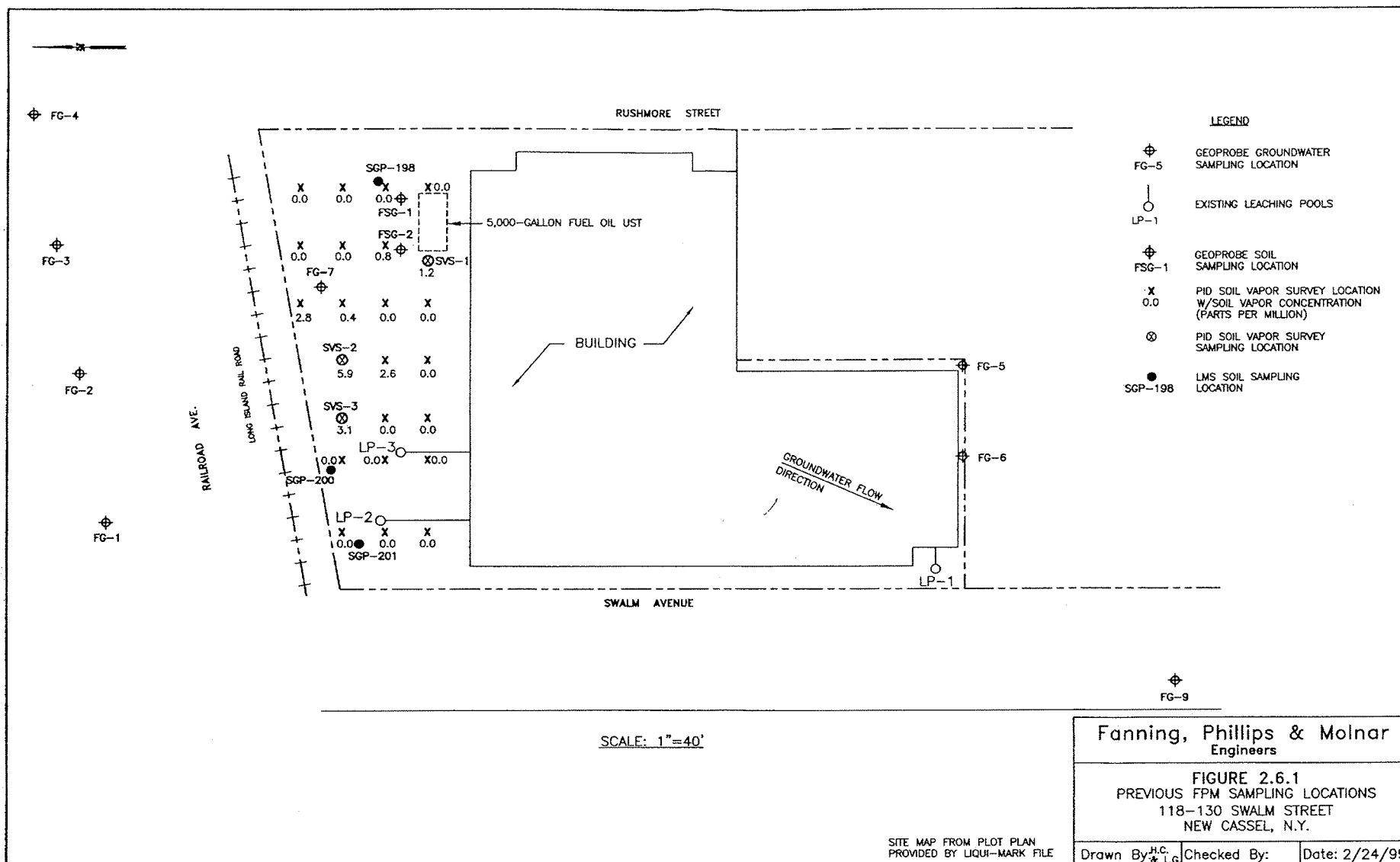


TABLE 2.6.1
LEACHING POOL SEDIMENT CHEMICAL ANALYTICAL RESULTS
118-130 SWALM STREET, NEW CASSEL NEW YORK

Sample Location Sample Depth (in feet)* Sample Date Parameter	LP-1 0 to 1 12/18/98	LP-2 0 to 1 12/18/98	LP-3 0 to 1 12/18/98	NYSDEC TAGM 4046 Soil Cleanup Objective
Volatile Organic Compounds in micrograms per kilogram				
Methylene Chloride	8	7	26 J	100
Acetone	33 B	26 B	39 JB	200
1,1-Dichloroethane	7	ND	5 J	200
1,2-Dichloroethene (total)	54	ND	ND	250
Chloroform	6	ND	ND	300
1,1,1-Trichloroethane	0.8 J	ND	9 J	800
Trichloroethene	340 D	8	120	700
Tetrachloroethene	42	180	660	1,400
Toluene	2 J	ND	ND	1,500

Notes:

Only detected compounds are reported. See laboratory report for complete analytical data.

ND = Not Detected.

J = Indicates an estimated value which is less than the specified detection limit but greater than zero.

B = Indicates the analyte was found in both the sample and associated laboratory blank.

D = Indicates compound identified in an analysis at a secondary dilution factor.

* = Depth below sediment surface.

Bold values exceed NYSDEC Soil Cleanup Objective.

TABLE 2.6.2
SOIL VAPOR SURVEY SOIL CHEMICAL ANALYTICAL RESULTS
118-130 SWALM STREET, NEW CASSEL NEW YORK

Sample Location Sample Depth (in feet)* Sample Date	SVS-1 0 to 1 12/18/98	SVS-2 0 to 1 12/18/98	SVS-3 0 to 1 12/18/98	NYSDEC TAGM 4046 Soil Cleanup Objective
Parameter				
Volatile Organic Compounds in micrograms per kilogram				
Methylene Chloride	2 J	2 J	ND	100
Acetone	7 J	7 J	ND	200
Trichloroethene	ND	2 J	ND	700
1,1,2-Trichloroethane	ND	14	ND	6,000
4-Methyl-2-Pentanone	1 JB	1 JB	ND	1,000
Tetrachloroethene	ND	82	14	1,400

Notes:

Only detected compounds are reported. See laboratory report for complete analytical data.

ND = Not Detected.

J = Indicates an estimated value which is less than the specified detection limit but greater than zero.

B = Indicates the analyte was found in both the sample and associated laboratory blank.

* = Depth below sediment surface.

Bold values exceed NYSDEC Soil Cleanup Objective.

TABLE 2.6.3
GEOPROBE SOIL SAMPLING CHEMICAL ANALYTICAL RESULTS
118-130 SWALM STREET, NEW CASSEL NEW YORK

Sample Location Sample Depth (in feet) Sample Date Parameter	FSG-1 18-20 12/16/98	FSG-1 28-30 12/16/98	FSG-1 38-40 12/16/98	FSG-2 18-20 12/18/98	FSG-2 28-30 12/18/98	FSG-2 38-40 12/18/98	NYSDEC TAGM 4046 Soil Cleanup Objective
Volatile Organic Compounds in micrograms per kilogram							
Methylene Chloride	3 J	3 J	3 J	ND	5	4 J	100
Acetone	9 JB	8 JB	10 JB	ND	31 B	21 B	200
2-Butanone	ND	1 J	2 J	ND	ND	ND	300
Trichloroethene	ND	ND	ND	1 J	1 J	ND	700
4-Methyl-2-Pentanone	1 JB	0.9 JB	ND	ND	ND	ND	1,000

Notes:

Only detected compounds are reported. See laboratory report for complete analytical data.

ND = Not Detected.

J = Indicates an estimated value which is less than the specified detection limit but greater than zero.

B = Indicates the analyte was found in both the sample and associated laboratory blank.

Bold values exceed NYSDEC Soil Cleanup Objective.

grade in a 1996 sample (see Table 2.6.3). Of the five samples obtained, only trace levels of VOCs were detected and no PCE was detected.

Geoprobe groundwater samples were obtained at eight locations including multiple-depth sampling at some locations for a total of 12 samples. The results shown in Table 2.6.4 show that only minor levels of contamination are present in the samples. The only exceedances of Class GA Groundwater Standards were for PCE at FG-9 (560 ppb), FG-6 (8 ppb), and FG-7 (7 ppb). The results show a significant decrease in PCE and total VOC concentrations as compared to the 1995/1996 groundwater sampling.

TABLE 2.6.4
WATER SAMPLE CHEMICAL ANALYTICAL DATA
118-130 SWALM STREET, NEW CASSEL NEW YORK

Sample Location Sample Depth (in feet) Sample Date	FG-1 56-58 12/17/98	FG-2 56-58 12/17/98	FG-3 56-58 12/17/98	FG-4 56-58 12/18/98	FG-5 61-63 12/18/98	FG-6 61-63 12/16/98	FG-7 61-63 1/8/99	FG-7 76-78 1/8/99	FG-7 91-93 1/8/99	FG-9 61-63 1/8/99	FG-9 76-78 1/8/99	FG-9 91-93 1/8/99	NYSDEC Class GA Water Quality Standards
Parameter													
Volatile Organic Compounds in micrograms per liter													
Chloroethane	ND	2 J	ND	ND	ND	2 J	ND	ND	ND	ND	ND	ND	5
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	4 J	ND	ND	5
Acetone	70 B	23 B	ND	54 J	29 J	29 B	6 JB	3 JB	3 JB	12 JB	ND	ND	-
Carbon Disulfide	0.6 J	ND	ND	ND	ND	1 J	ND	ND	ND	ND	ND	ND	-
1,1-Dichloroethene	ND	ND	ND	ND	ND	0.7 J	ND	ND	ND	ND	ND	ND	5
1,1-Dichloroethane	ND	ND	ND	ND	ND	5	ND	ND	ND	3 J	ND	ND	5
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	4 J	ND	ND	7
2-Butanone	ND	8 J	ND	16	10	10	4 J	ND	ND	10 J	ND	ND	-
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	2 J	ND	ND	ND	3 J	ND	ND	5
Trichloroethene	ND	ND	ND	ND	ND	1 J	ND	3 J	2 J	13 J	1 J	3 J	5
4-Methyl-2-Pentanone	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2 J	-
2-Hexanone	3 J	0.7 J	ND	ND	ND	4 J	ND	ND	ND	ND	ND	ND	-
Tetrachloroethene	0.5 J	3 J	2 J	ND	5	8	7	0.7 J	1 J	560	ND	0.7 J	5
Toluene	1 J	0.7 J	ND	0.8 J	ND	0.7 J	ND	0.5 J	ND	0.7 J	0.5 J	ND	5
Xylene (total)	0.7 J	0.6 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5

Notes: Only detected compounds are reported. See laboratory report for complete analytical data.

ND = Not Detected.

J = Indicates an estimated value which is less than the specified detection limit but greater than zero.

B = Indicates the analyte was found in both the sample and associated laboratory blank.

- = Indicates no standard available for the specified compound.

Bold values exceed NYSDEC STARS Guidance Values.

SECTION 3.0 ENVIRONMENTAL SETTING

3.1 Hydrogeologic Setting

The regional geology of the New Cassel area was derived from US Geological Survey Paper #1825 entitled, "Geology and Hydrology of Northeastern Nassau County, Long Island, New York (Ibister, 1986)". In the vicinity of the Site, the geology consists of a basement layer of Precambrian-age bedrock which occurs at a depth of approximately 900 feet below mean sea level (MSL).

Overlying the bedrock is a series of unconsolidated glacial deposits which includes the Lloyd Sand which is a stratified deposit consisting of discontinuous layers of sand, gravel, sandy clay, silt, and clay. The upper surface of the Lloyd Sand occurs at approximately 650 below MSL.

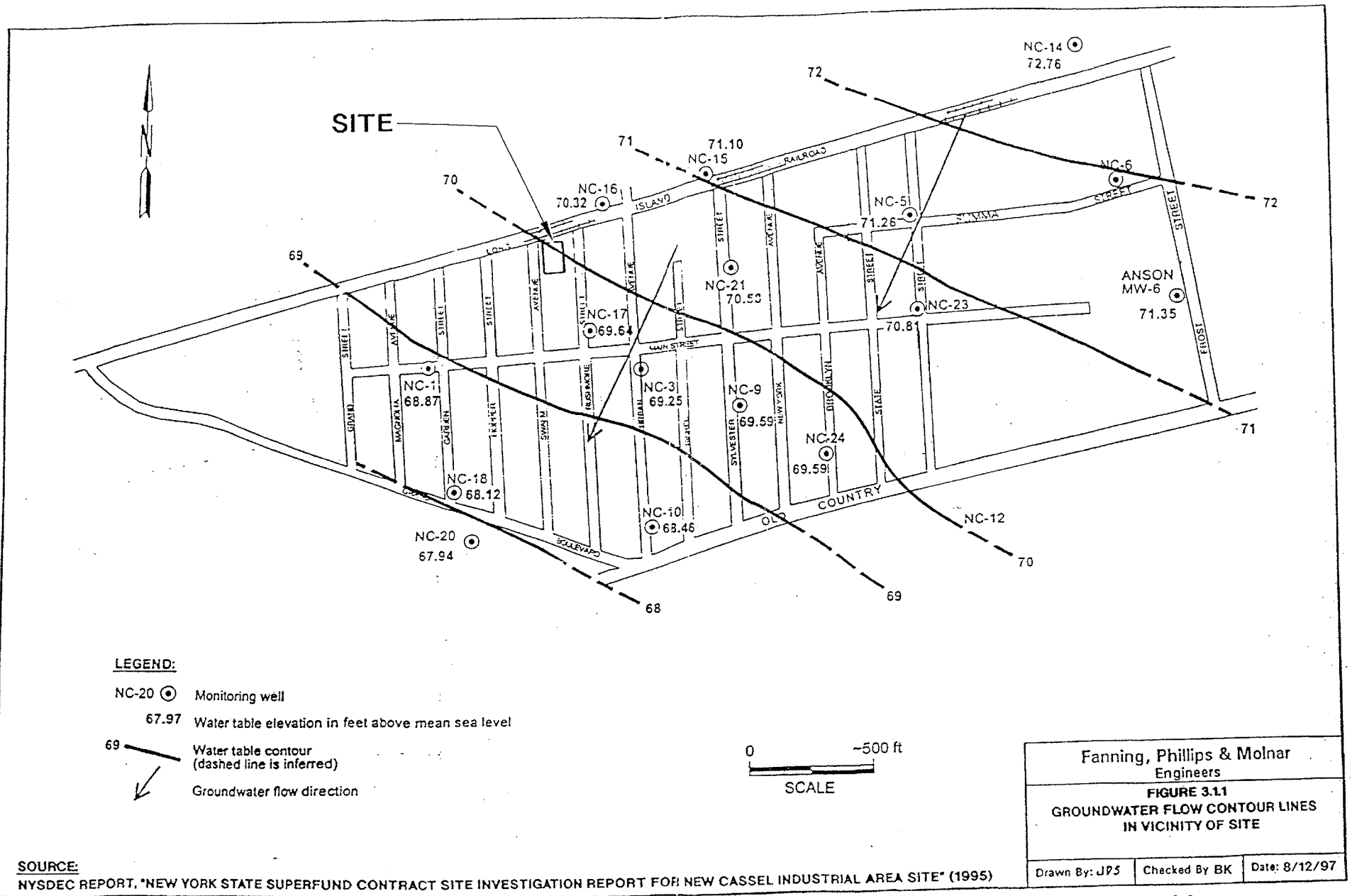
Overlying the Lloyd Sand is the Raritan Clay which consists chiefly of gray, red, white, and blue clay and silty clay and lenses of sand and gravel. The upper surface of the Raritan Clay occurs at approximately 550 below MSL in the vicinity of the Site. Overlying the Raritan Clay is the Magothy Formation which consists chiefly of interbedded gray and white fine sand and clayey sand and black, gray, white, and some red clay. Gravelly zones are common at the bottom of the formation but are rare in the upper part. The upper surface of the Magothy Formation is estimated to occur at 50 to 100 feet below the ground surface.

Overlying the Magothy Formation is the Upper Glacial Formation which, in the New Cassel area, is composed primarily of outwash deposits consisting of well-sorted stratified sand and gravel. The Upper Glacial deposits are the uppermost unit and are estimated to be 50 to 100 feet thick in the Site vicinity.

Based on the US Geological Survey Paper 82-4056 entitled, "Geology of the "20-foot" Clay and Gardiners Clay in Southern Nassau and Southwestern Suffolk Counties, Long Island, New York (Doriski and Wilde-Katz, 1982)", neither the 20-foot nor the Gardiners Clay exists under the NCIA.

The groundwater beneath the NCIA is recharged through infiltrating precipitation. The infiltrating precipitation accumulates above the bedrock and forms aquifers which correspond to the permeable geologic units. The depth to water is approximately 55 feet.

The groundwater flow direction across the Site was ascertained from the Site Investigation Report for the New Cassel Industrial Area by LMS (February, 1995). The report showed that based on measurements from November 8 and 9, 1993, the groundwater flow direction in the vicinity of the Swalm Street Site was generally southwest (see Figure 3.1.1). Also, based on the groundwater elevation contour map of Nassau County for 1995, obtained from the NCDH, a groundwater divide exists approximately two miles north of the Site.



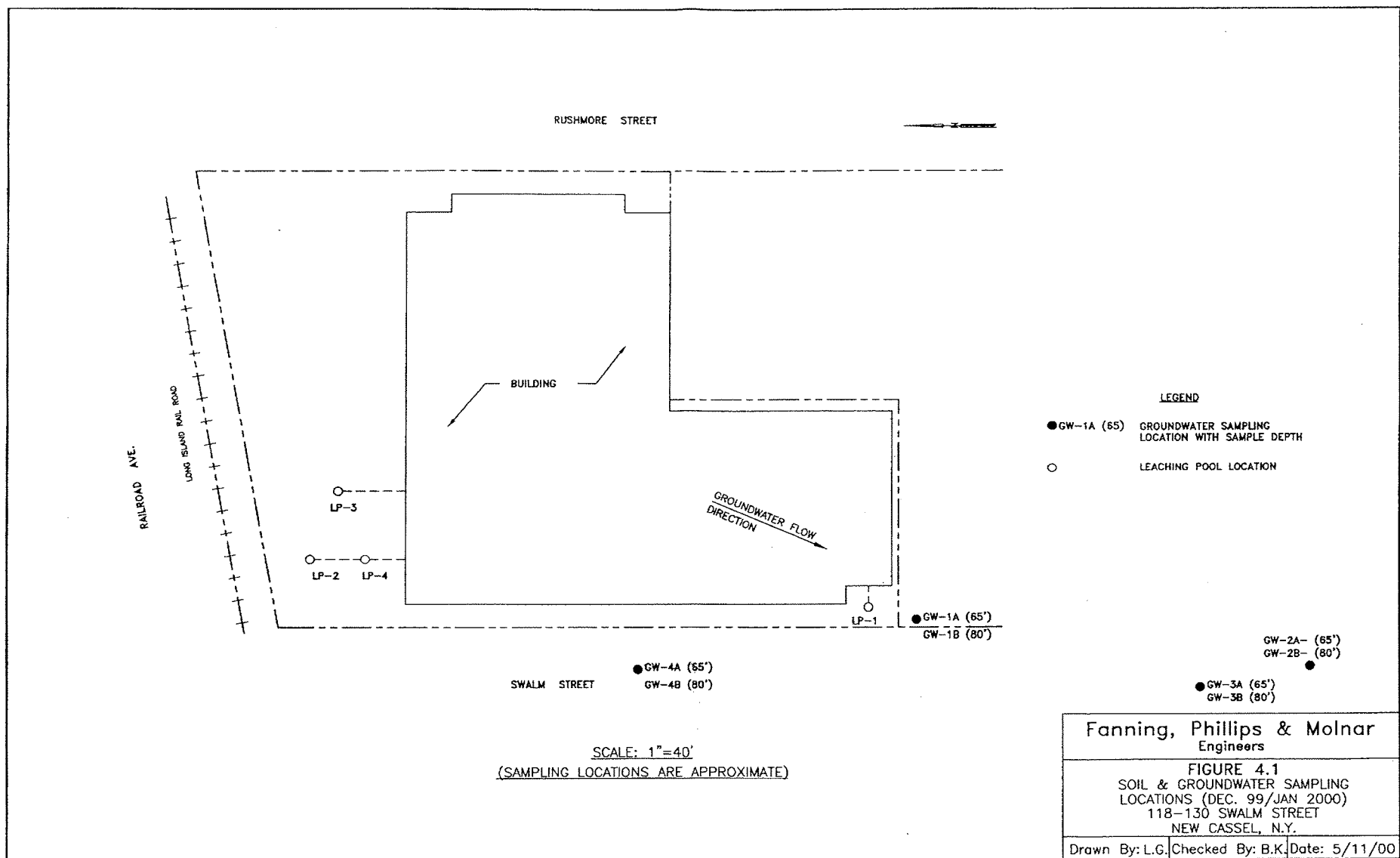
SECTION 4.0 REMEDIAL INVESTIGATION

The Supplemental FRI field work was performed by FPM in November and December, 1999, and January 2000, in accordance with the NYSDEC-approved work plan described in a letter from Mr. Richard Gaborow dated July 30, 1999. The NYSDEC was informed prior to the initiation of field work and a NYSDEC representative, Ms. Anna Ruepp, was present during portions of the field work. The following sections present the field procedures, results, and conclusions. Figure 4.1 shows all sampling locations.

4.1 Leaching Pool Sampling

Four leaching pool locations were sampled. Soil/sediment samples were obtained from leaching pool LP-1 located on the west side of the building along Swalm Street and leaching pools LP-2, LP-3, and LP-4 located in the rear yard on the north portion of the Site. LP-4 was discovered during this investigation and was not previously sampled. LP-4 is in a line with LP-2 and the subject building. There is a 10-inch outfall entering LP-2 at approximately 10 feet below grade and it appears that it is an overflow from LP-4. LP-1 appears to be a former cesspool which received sanitary waste prior to connection to the sewer. Pools LP-2, LP-3, and LP-4 are likely to have been associated with a former trench drain (which is now sealed) inside the building which was reportedly used by former tenants. The samples were obtained for the purpose of further evaluating potential on-Site sources of contamination.

Sediment samples were collected from each leaching pool utilizing a Geoprobe. Each sample was obtained from a depth of 10 feet below the sediment surface and approximately 10 feet above the water table. The samples collected at a depth of 50 feet below grade in LP-2 and LP-3 were collected approximately one foot outside the leaching pool rings because of excessive bowing of the Geoprobe rods



inside the open space of the leaching pool rings. The recovered sediment samples were transferred to laboratory-supplied sample containers using a disposable plastic sampling spoon. Each sample container was labeled with the Site location, sample location, date and time of sampling, and analysis to be performed. The labeled sample containers were placed in laboratory-supplied coolers containing ice to depress the temperature to four degrees Celsius. A chain of custody form was completed and placed with the samples to document the sequence of sample possession. The filled coolers were sealed and delivered via overnight courier to the subcontracted chemical analytical laboratory, York Analytical Laboratories of Stamford, Connecticut. This laboratory is a NYSDOH-certified ELAP facility and the analyses were performed using USEPA Contract Laboratory Protocol (CLP) with NYSDEC ASP Category B deliverables. The leaching pool samples were analyzed for VOCs by USEPA Method 8260 plus 10 tentatively identified compounds (TICs).

4.2 Geoprobe Groundwater Sampling

Four Geoprobe groundwater locations were sampled during the investigation. Geoprobe groundwater samples were obtained from locations GW-1, GW-2, GW-3, and GW-4. Samples were obtained from these locations approximately 0 to 5 feet below the water table and 20 feet below the water table. Samples were obtained from each location using dedicated polyethylene tubing equipped with a check valve. The groundwater was surged by hand through the tubing directly into laboratory-supplied containers.

4.3 Quality Assurance/Quality Control

Quality Assurance/Quality Control (QA/QC) procedures were utilized during the performance of the FRI field work to ensure that the resulting chemical analytical data accurately represent subsurface

conditions at the Site. The following sections include descriptions of the QA/QC procedures utilized and evaluations of the QA/QC results.

4.3.1 Equipment Decontamination Procedures

All sampling equipment was either dedicated disposable equipment or was decontaminated prior to use at each location. For groundwater sampling, dedicated disposable polyethylene tubing was used to obtain groundwater samples. The decontamination procedures utilized for all non-disposable sampling equipment (i.e., Geoprobe sampling rods, check valves) were as follows:

1. The equipment was scrubbed in a bath of potable water and low-phosphate detergent followed by a potable water rinse;
2. The equipment was rinsed successively in methanol, hexane, and distilled water;
3. The equipment was allowed to air dry, if feasible, and wrapped in aluminum foil (shiny side out) for storage and transportation.

The decontamination procedures were evaluated by the use of equipment blank samples. These samples consist of aliquots of laboratory-supplied water which are poured over or through the dedicated or decontaminated sampling equipment and then submitted to the laboratory for analysis. An equipment blank sample was prepared for each matrix for each day that sampling was conducted at the Site and was analyzed for the target constituents.

The results of the QA/QC samples are shown in Tables 4.3.1 and 4.3.2 and are indicated by the "E" suffix affixed to the sample numbers. Several of the equipment blanks showed low levels of chloroform, however, the trip blank also had low levels of the same contaminant. Since chloroform is a common laboratory contaminant it appears that the results do not impact the quality of the analytical data.

TABLE 4.3.1
QA/QC RESULTS ASSOCIATED WITH LEACHING POOL SAMPLES
118-130 SWALM STREET, WESTBURY, NEW YORK

Location	TB1	LP1	LP1	LP1	LP3	TB2	LP2	TB3
Sample No. (Depth)	Trip Blank	A (MS/MSD)	C (49') Dup. of B	E (Equipment Blank)	E (Equipment Blank)	Trip Blank	E (Equipment Blank)	Trip Blank
Sample Date	11/22/99	11/22/99	11/22/99	11/22/99	11/23/99	11/23/99	1/4/00	1/4/00
Volatile Organic Compounds VOC (ug/kg)								
1,4-Dichlorobenzene	ND	49	17	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ND	7	7	ND	ND	ND	ND	ND
Trichloroethylene	ND	11	7	ND	ND	ND	ND	ND
Tetrachloroethylene	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	16	ND	11	7	ND
Methylene chloride	ND	ND	ND	ND	2B	2B	ND	ND
VOC Tentatively Identified Compounds (ug/kg)								
Hexane	3	120	160	2	ND	ND	ND	ND
Pentane	ND	ND	5	ND	ND	ND	ND	ND
Undecane	ND	8	7	ND	ND	ND	ND	ND
Propene	ND	ND	ND	ND	ND	ND	32	ND
1- Propanol	ND	5	ND	ND	ND	ND	ND	ND
3 Methyl pentane	ND	ND	ND	ND	ND	ND	1	ND

TABLE 4.3.1 (CONTINUED)
QA/QC RESULTS ASSOCIATED WITH LEACHING POOL SAMPLES
118-130 SWALM STREET, WESTBURY, NEW YORK

Location	TB1	LP1	LP1	LP1	LP3	TB2	LP2	TB3
Sample No. (Depth)	Trip Blank	A (MS/MSD)	C (49') Dup. of B	E (Equipment Blank)	E (Equipment Blank)	Trip Blank	E (Equipment Blank)	Trip Blank
Sample Date	11/22/99	11/22/99	11/22/99	11/22/99	11/23/99	11/23/99	1/4/00	1/4/00
VOC Tentatively Identified Compounds (ppb) (Cont'd)								
Methyl cyclohexane	ND	22	ND	ND	ND	ND	ND	ND
Decane	ND	7	ND	ND	ND	ND	ND	ND
1-Butene	ND	ND	ND	ND	ND	ND	2	ND
1-Pentene	ND	ND	ND	ND	ND	ND	3	ND
Isobutane	ND	ND	ND	ND	ND	ND	3	ND
Limonene	ND	8	ND	ND	ND	ND	ND	ND

Notes:

Only detected parameters are reported. See laboratory report for complete chemical analytical data.
 ND = Not Detected.

TABLE 4.3.2
QA/QC RESULTS ASSOCIATED WITH GROUNDWATER SAMPLES
118-130 SWALM STREET, WESTBURY, NEW YORK

Location	GW1	TB1	GW2	GW2	GW2	TB2	GW3	GW3	GW4	TB3
Sample No. (Depth)	E (Equipment Blank)	Trip Blank	B MS/MSD	C (80') Dup of B	E (Equipment Blank)	Trip Blank	A MS/MSD	E (Equipment Blank)	C (60') Dup of A	Trip Blank
Sample Date	11/22/99	11/22/99	11/23/99	11/23/99	11/23/99	11/23/99	11/23/99	1/4/00	1/4/00	1/4/00
Volatile Organic Compounds VOC (ug/l)										
1,1,1-Trichloroethane	ND	ND	ND	2.4	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	2.4	ND	ND	ND	ND	ND	ND
Trichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	2	ND
Tetrachloroethylene	ND	ND	9	20	ND	ND	ND	ND	14	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (Total)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethylene (total)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	11	11	ND	10	ND	ND
Methylene chloride	ND	ND	1B	ND	2B	2B	ND	ND	ND	ND
VOC Tentatively Identified Compounds (ug/l)										
2-Methyl-1-propene	ND	ND	7	17	17	ND	ND	ND	12	ND
2-Methyl-1-butene	ND	ND	ND	1	1	ND	ND	ND	ND	ND
2-Methyl-butane	ND	ND	ND	2	2	ND	ND	ND	ND	ND
2-Methyl-propanol	ND	ND	ND	4	4	ND	ND	ND	ND	ND
Hexane	9	3	ND	14	14	ND	ND	ND	ND	ND

TABLE 4.3.2 (CONTINUED)
QA/QC RESULTS ASSOCIATED WITH GROUNDWATER SAMPLES
118-130 SWALM STREET, WESTBURY, NEW YORK

Location	GW1	TB1	GW2	GW2	GW2	TB2	GW3	GW3	GW4	TB3
Sample No. (Depth)	E (Equipment Blank)	Trip Blank	B MS/MSD	C (80') Dup of B	E (Equipment Blank)	Trip Blank	A MS/MSD	E (Equipment Blank)	C (60') Dup of A	Trip Blank
Sample Date	11/22/99	11/22/99	11/23/99	11/23/99	11/23/99	11/23/99	11/23/99	1/4/00	1/4/00	1/4/00
VOC Tentatively Identified Compounds (ug/l) (Cont'd)										
Pentane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propene	ND	ND	ND	32	32	ND	ND	ND	26	ND
1- Propanol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3 Methyl pentane	ND	ND	ND	1	1	ND	ND	ND	ND	ND
Ethyl-cyclopropane	ND	ND	ND	ND	ND	ND	ND	ND	3	ND
Decane	ND	ND	ND	2	ND	ND	ND	ND	ND	ND
1-Butene	ND	ND	ND	2	2	ND	ND	ND	ND	ND
1-Pentene	ND	ND	ND	3	3	ND	ND	ND	ND	ND
Isobutane	ND	ND	ND	3	3	ND	ND	ND	ND	ND

Notes:

Only detected parameters are reported. See laboratory report for complete chemical analytical data.
 ND = Not Detected.

Trip blank samples were utilized to evaluate the potential for VOC cross-contamination between samples in the same cooler. Trip blank samples consist of aliquots of laboratory water which are sealed in sample bottles at the laboratory and which are then transported to the field with the empty sample bottles. A trip blank was placed in each cooler on each day of sampling and was managed in the field and analyzed in the laboratory in the same manner as the primary environmental samples.

Trip blank sample results are indicated by the "TB" prefix. The results show that the few detections of VOCs in the trip blank samples were for methylene chloride and chloroform which are common laboratory contaminants. Therefore, there is no indication of cross-contamination in the samples.

A blind duplicate sample for each matrix was obtained at a frequency of at least five percent of the total number of environmental samples and were used to attest to the precision of the laboratory. A blind duplicate consists of a separate aliquot of sample collected at the same time, in the same manner, and analyzed for the same parameters as the primary environmental sample. The blind duplicate samples are labeled in a manner such that they cannot be identified by the laboratory. The sample results are compared to those of the primary environmental sample to evaluate if the results are similar.

Blind duplicate sample results are indicated with a "C" suffix. The results show that, in general, the primary sample results and duplicate sample results vary by less than 10 percent and, therefore, the laboratory results show a high degree of precision. Variation between the primary and duplicate sample results may be affected by differences in sample matrix, particularly for soil samples. The results for the primary and duplicate soil samples are consistent with minor variations in sample matrix.

Matrix spike/matrix spike duplicate (MS/MSD) samples were collected at a frequency of one per 20 environmental samples for each matrix. The purpose of the MS/MSD samples is to confirm the accuracy and precision of the laboratory.

4.3.2 Chain-of-Custody Procedures

For each day of sampling, chain-of-custody (COC) sheets were completed and submitted to the laboratory with the samples collected that day. A copy of each COC sheet was retained by FPM for sample tracking purposes. Each COC sheet included the project name, the sampler's signature, the sampling locations and intervals, and the analytical parameters requested.

4.4 **Leaching Pool Sediment Sampling Results**

Chemical analyses of the soil samples obtained from the leaching pools with the Geoprobe sampling unit are discussed below.

4.4.1 Leaching Pool Sediment Data

Sediment samples were collected for chemical analysis from each of the four leaching pools (LP-1, LP-2, LP-3, and LP-4) at the Site. The samples consisted primarily of brown to light brown, fine to medium sand. The chemical analytical results for the leaching pool samples are presented in Table 4.4.1 and are compared to the TAGM-4046 Objectives. Minor concentrations of VOCs were detected in LP-1 and LP-2.

The sediments in LP-1, at a depth of 10 feet below the sediment surface (LP-1A), contained 15 parts per billion (ppb) of trichloroethylene and at a depth of 10 feet above the water table (equal to 50 feet below grade) LP-1B contained 5 ppb of trichloroethylene, 7 ppb of 1,2,4-trimethylbenzene, and 11 ppb of 1,4-dichlorobenzene. The sediments in LP-2, on the northern portion of the subject property, at a depth of 10 feet below the sediment surface (LP-2A) exhibited no concentrations of VOCs. At a depth of 10 feet above the water table (LP-2B), concentrations of PCE equaled 9 ppb. LP-3 and LP-4 only showed concentrations of methylene chloride which appears to be due to laboratory contamination since it was also detected in the method blanks and is a common laboratory contaminant.

TABLE 4.4.1
CHEMICAL ANALYTICAL DATA (LEACHING POOLS)
118-130 SWALM STREET, WESTBURY, NEW YORK

Location	LP1	LP1	LP2	LP2	LP3	LP3	LP4	LP4	Soil Cleanup Objective (TAGM 4046)
Sample No. (Depth)	A 10' Below Sediment Surface	B 10' Above Water Table (50' BG)	A 10' Below Sediment Surface	B 10' Above Water Table (50' BG)	A 10' Below Sediment Surface	B 10' Above Water Table (50' BG)	A 10' Below Sediment Surface	B 10' Above Water Table (50' BG)	
Sample Date	11/22/99	11/22/99	1/4/00	1/6/00	11/23/99	1/6/00	11/23/99	11/23/99	
Volatile Organic Compounds VOC (ppb)									
Trichloroethylene	15	5	ND	ND	ND	ND	ND	ND	700
Tetrachloroethylene	ND	ND	ND	9	ND	ND	ND	ND	1,400
Methylene chloride	ND	ND	ND	ND	170B	ND	160B	170B	100
1,2,4-Trimethylbenzene	ND	7	ND	ND	ND	ND	ND	ND	NO
1,4-Dichlorobenzene	ND	11	ND	ND	ND	ND	ND	ND	8,500
Total VOCs	15	23	0	9	170B	0	160B	170B	10,000
VOC Tentatively Identified Compounds (ppb)									
1-Propanol	ND	5	ND	ND	ND	ND	ND	ND	ND
3-Methylpentane	6	ND	ND	ND	ND	ND	ND	ND	ND
Undecane	6	ND	ND	ND	ND	ND	ND	ND	ND
Pentane	5	ND	ND	ND	ND	ND	ND	ND	ND
Decane	6	5	ND	ND	ND	ND	ND	ND	ND
Hexane	144	140	ND	ND	ND	ND	ND	ND	ND
Limonene	7	ND	ND	ND	ND	ND	ND	ND	ND
Methyl cyclopentane	ND	26	ND	ND	ND	ND	ND	ND	ND
Freon 113	ND	ND	ND	ND	67	ND	ND	29	ND

Notes:

Only detected parameters are reported. See laboratory report for complete chemical analytical data.
 ND = Not Detected.

B = Detected in Blank
 BG = Below Grade.
 NO = No Soil Cleanup Objective.

The VOCs (other than methylene chloride) were detected at concentrations that were significantly below the TAGM-4046 Objectives for each VOC. In addition to the target compounds, some minor concentrations of VOC TICs were detected in each of the samples.

It is important to note that the eight samples obtained from the four leaching pools, PCE was detected in only one sample (at a concentration of 9 ppb).

4.5 Groundwater/Sampling Results

Geoprobe groundwater samples were obtained from four locations in the vicinity of the Site. Sampling location GW-1, is located downgradient (18 feet south) of LP-1. Sampling location GW-2 is located downgradient (194 feet south) of LP-1 along Swalm Street and GW-3 is located downgradient (150 feet south) of the LP-1. GW-4 is located in front of 118-130 Swalm Street, downgradient of LP-2, LP-3, and LP-4. Groundwater samples were obtained from just below the water table and 20 feet below the water table (approximately 60 and 80 feet below grade, respectively).

The chemical analytical results from the groundwater sampling are presented in Table 4.5.1 and are compared to the NYSDEC Class GA Water Quality Standards (the Standards).

The groundwater chemical analysis shows that the four sample locations showed minor exceedances of the Standards. The exceedances were all for PCE and occurred at GW-1 (30 and 42 ug/l), GW-2 (5.9 and 9 ug/l), GW-3 (10 and 6 ug/l) at 60 feet and 80 feet below grade respectively, and GW-4 (31 ug/l) at 60 feet below grade.

At GW-4, which is located directly downgradient of LP-2, LP-3, and LP-4 on the north side of the subject property, PCE is the only VOC found in exceedance of the Standards.

TABLE 4.5.1
CHEMICAL ANALYTICAL DATA (GROUNDWATER)
118-130 SWALM STREET, WESTBURY, NEW YORK

Location	GW1	GW1	GW2	GW2	GW3	GW3	GW4	GW4	NYSDEC Class GA Water Quality Standards
Sample No. (Depth)	A(60')	B(80')	A (60')	B (80')	A (60')	B (80')	A (60')	B (80')	
Sample Date	11/22/99	11/22/99	11/23/99	11/23/99	1/4/00	1/4/00	1/4/00	1/4/00	
Volatile Organic Compounds VOC (ppb = ug/l)									
1,1-Dichloroethane	ND	ND	1	ND	1	ND	ND	ND	5
Trichloroethylene	3	1	1.3	ND	2	ND	2	ND	5
Tetrachloroethylene	30	42	5.9	9	10	6	31	ND	5
Toluene	ND	ND	ND	ND	2	1	ND	ND	5
1,2-Dichloroethylene (total)	5	ND	ND	ND	ND	ND	1	ND	-
Methylene Chloride	ND	ND	1B	1B	ND	ND	ND	ND	5
VOC Tentatively Identified Compounds (ppb = ug/l)									
2 Methyl-butane	ND	ND	3	ND	ND	ND	ND	ND	-
2 Methyl-1-propene	2	4	31	7	ND	5	17	ND	-
Ethyl-cyclopropane	ND	ND	ND	ND	ND	ND	6	ND	-
1,1-Dimethyl-cyclopropane	ND	ND	3	ND	ND	6	ND	ND	-
Hexane	3	3	7	ND	ND	ND	ND	ND	-
Pentane	1	1	5	ND	ND	6	ND	ND	-
Propene	4	6	ND	ND	17	91	36	ND	-
1-Pentene	ND	ND	5	ND	ND	11	ND	ND	-
2-Pentene	ND	ND	ND	ND	ND	4	ND	ND	-

TABLE 4.5.1 (CONTINUED)
CHEMICAL ANALYTICAL DATA (GROUNDWATER)
118-130 SWALM STREET

Location	GW1	GW1	GW2	GW2	GW3	GW3	GW4	GW4	NYSDEC Class GA Water Quality Standards
Sample No. (Depth)	A(60')	B(80')	A (60')	B (80')	A (60')	B (80')	A (60')	B (80')	
Sample Date	11/22/99	11/22/99	11/23/99	11/23/99	1/4/00	1/4/00	1/4/00	1/4/00	
VOC Tentatively Identified Compounds (ppb = ug/l) (Cont'd)									
1-Hexene	ND	ND	4	ND	ND	7	ND	ND	-
1-Butene	ND	ND	4	ND	8	49	ND	ND	-
Trimethyl silanol	2	ND	ND	ND	ND	ND	ND	ND	-
unknown ester	1	ND	ND	ND	ND	ND	ND	ND	-
Isobutane	ND	ND	ND	ND	ND	5	ND	ND	-

Notes:

Only detected parameters are reported. See laboratory report for complete chemical analytical data.

ND = Not Detected.

- = No standard.

In summary, minimal concentrations of PCE were detected in the on-Site groundwater which is likely to be due, primarily or totally, to contamination from upgradient sources. The downgradient concentration is also significantly lower than past sampling in the same areas.

SECTION 5.0 CONCLUSIONS

Based on the findings of all investigations performed at the Site, the following can be concluded:

- A soil vapor investigation, soil borings, and multi-depth soil sampling of all leaching pools were performed at the Site and although low levels of PCE and other VOCs were detected, all VOCs detected in the soil samples were at a concentration that was less than half of the TAGM-4046 Objective concentrations. The TAGM-4046 Objective concentrations are calculated to determine soil contamination levels which are protective of groundwater and since there were no exceedances of these Objectives, there is no clear evidence to conclude that the leaching pools are a source area for the PCE contamination in the groundwater at the Site.
- The maximum concentration of PCE in the groundwater in 1995 to 1996 was 1,800 ppb. The maximum concentration of PCE detected during the most recent sampling was 42 ppb (see Figures 5.1, 5.2, and 5.3 for a summary of the history of PCE concentrations in the groundwater).

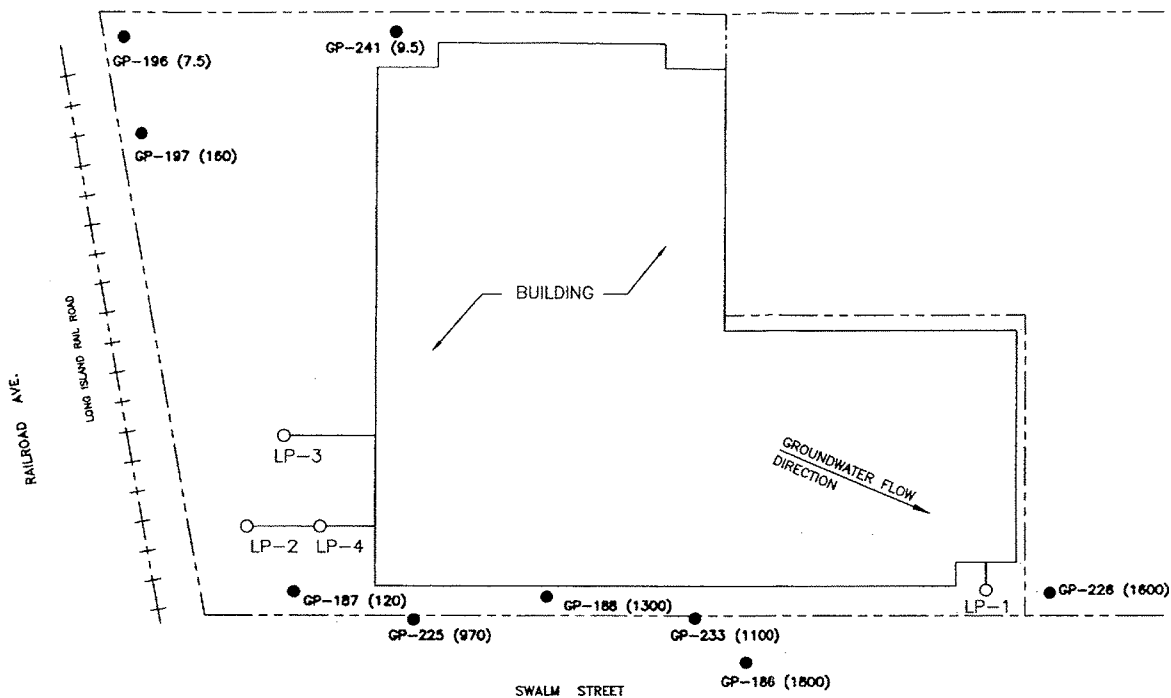
Based on this information, it appears that there is not a continuous source of PCE due to the significant decrease in groundwater concentrations over approximately the last five years.

- An upgradient source of contamination exists. Although FPM upgradient Geoprobes showed only trace levels of PCE, upgradient well NC-16 has shown PCE concentration as high as 61 ppb and on-Site upgradient LMS Geoprobe groundwater sample GP-197 showed PCE at 160 ppb. No source area has been identified by NYSDEC for this contamination.

It is the opinion of FPM that the four Site leaching pools are not the source for groundwater contamination. This opinion is based on the fact that the elevated concentrations in the groundwater detected in 1995 and 1996 indicated a recent release at that time. Since the leaching pools have not

● NC-15 (51)

RUSHMORE STREET



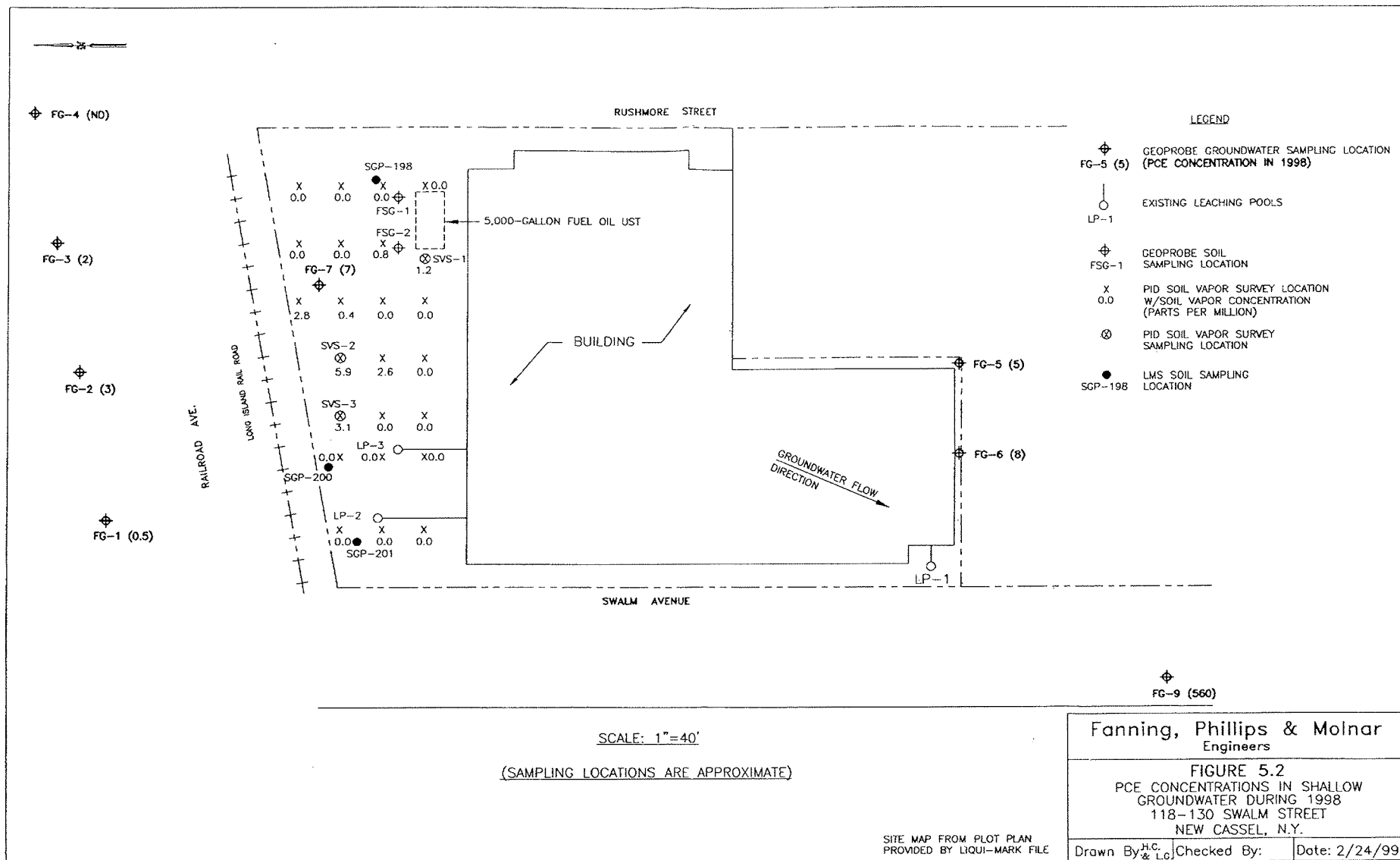
LEGEND

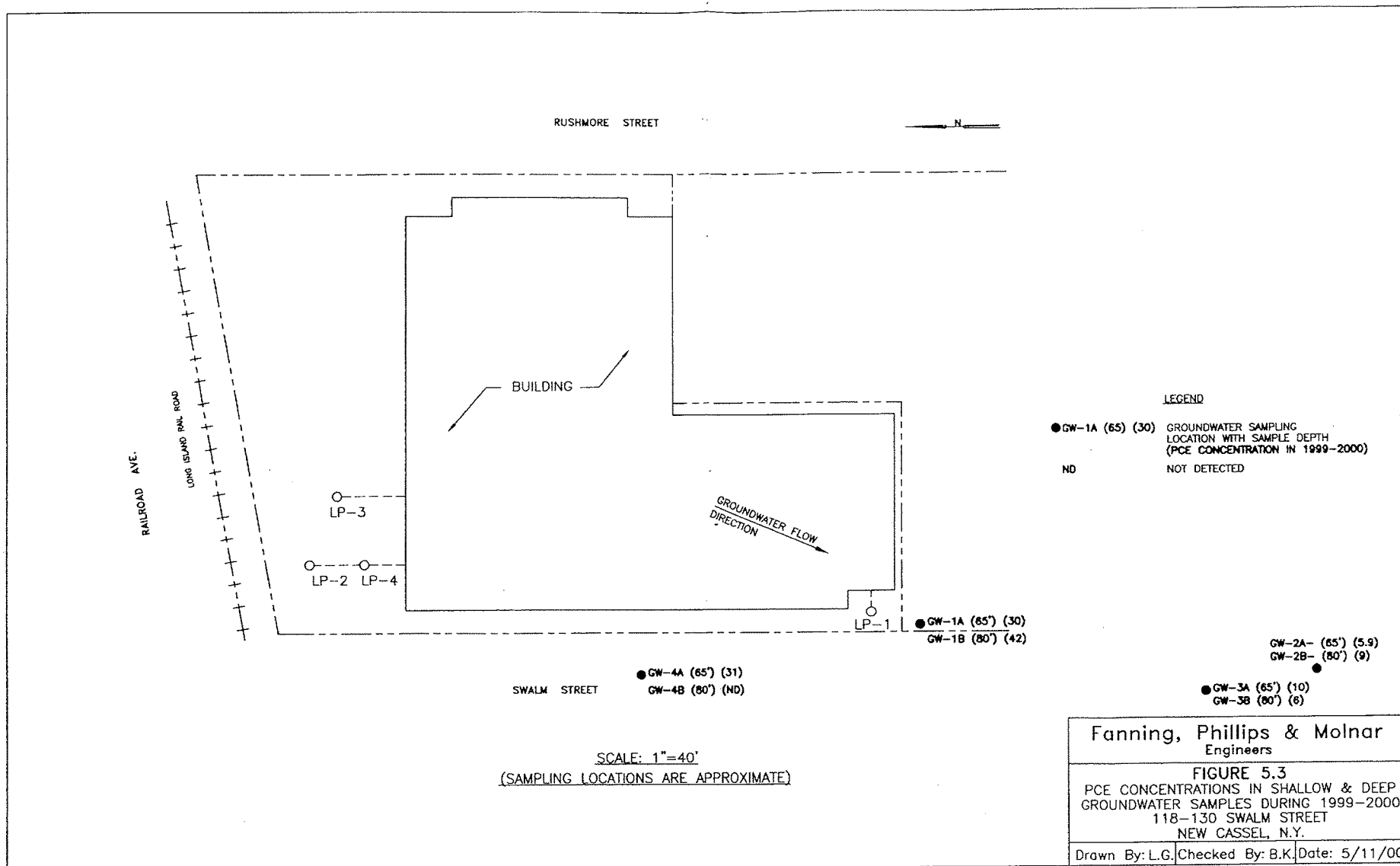
- GP-196 GROUNDWATER OR SOIL SAMPLING LOCATION (PCE CONCENTRATION)
- NC-15 GROUNDWATER MONITORING WELL LOCATIONS (PCE CONCENTRATION IN 1993)

Fanning, Phillips & Molnar
Engineers

FIGURE 5.1
PCE CONCENTRATIONS CONTOURS IN
SHALLOW GROUNDWATER DURING 1995-1996
118-130 SWALM STREET
NEW CASSEL, N.Y.

Drawn By: L.G. | Checked By: B.K. | Date: 5/11/00





accepted liquids since 1980, there is a period of 15 years (1980 to 1995) that the leaching pools would have to have been acting as a significant source of groundwater contamination. However, since the leaching pools contain solid covers, stormwater is inhibited from entering the pools, therefore, there is no mechanism to transport PCE to the water table.

In addition, since the release would have had to have occurred prior to 1980, there would expected to be higher concentrations of degradation products of PCE (such as TCE, TCA, DCE, DCA, and vinyl chloride) in the groundwater. In the shallow groundwater in 1995/1996, out of 10 wells at which PCE was detected, TCE was the only potential degradation product detected and was found at only one location and at a concentration which represented six percent of the total VOC concentration (excluding VOCs not related to PCE or its degradation products) at that sample location.

In the most recent sampling, TCE, DCA, and DCE were detected. These potential degradation products now represent 15 percent of the total VOCs indicating increased degradation over time.

For the shallow leaching pool soil sampled in 1998, four degradation products were detected (TCA, TCE, DCA, and DCE). The shallow leaching pool sediments contain potential degradation products which represent 62 percent of the total VOC content. This suggests that the PCE in the leaching pools is significantly degraded. This would be expected since the PCE is likely to have been present in the pools for at least 18 years. Also, in the deeper leaching pool samples, only a trace level of PCE (9 ppb) was detected in one of the eight samples obtained).

Since the 1995-1996 sampling shows significantly elevated PCE concentrations within 100 feet or less from the leaching pools, this suggests that significant concentrations of PCE would have had to be present in the pools and would have had to have been a significant source since at least 1980 and at least to 1994-1995 (since the travel time from the leaching pools to the location 100 feet downgradient is

expected to be less than one year. For the leaching pools to have acted as an active significant source for 15 years or more, there would have to have been non-aqueous phase liquid (NAPL) in the pools. The concentrations of PCE detected in the pools in 1998, 1999, and 2000 are too low to be indicative of residual NAPL.

Therefore, it can be concluded that the most likely source of the PCE contamination is an off-Site, upgradient source.

A

APPENDIX A

LABORATORY DATA REPORT

Headquarters

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(509) 252-5079**

**445 Contractor's Road
Edwards, CA 93523
(661) 258-1060**

EXHIBIT H

ENVIROSCIENCE CONSULTANTS, INC.

2150 SMITHTOWN AVENUE
RONKONKOMA, NEW YORK 11779-7348
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E. DETWEILER
J. DRISCOLL
G. MENEGIO
L. SAVARESE

September 4, 2001

Mr. Joseph Jones
New York State Department
of Environmental Conservation
50 Wolf Road, Room 242
Albany, NY 12233-7010

Re: **118-130 Swalm Street, Westbury, NY**
NYSDEC Site No. 1-30-043P

Dear Mr. Jones:

Enviroscience Consultants has completed the sampling of the floor drain located just inside the north wall of the building at the above-referenced site.

The sample was obtained from the sump by prying open the metal plate on August 15, 2001. You were present at the site during the sampling. The sump contained light brown sandy sediment that was present at a depth of approximately six inches below the surface of the sump. The sample was placed in sample jars for shipment to the laboratory. You obtained a split sample of the sediment.

The sample was analyzed for volatile organic compounds (VOCs) by USEPA Method 8260. The laboratory results showed that there were no VOCs detected in the sample (see Attachment A for the laboratory report). Therefore, the sump within the building does not represent a source area of contamination.

As per your letter dated June 26, 2001, the last area of potential VOC contamination has been investigated and, therefore, the NYSDEC investigation of the site is now complete.

Should you have any questions, please do not hesitate to call.

Very truly yours,



Peter Dermody, C.P.G.
Senior Hydrogeologist

cc: Barry Cohen

ATTACHMENT A

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for

Enviroscience Consultants, Inc.
2150 Smithtown Avenue
Ronkonkoma, NY 11779
Attention: Mr. Peter Dermody

Report Date: 8/22/2001
Re: Client Project ID: BEAC
York Project No.: 01080433

CT License No. PH-0723 New York License No. 10854 Mass. License No. M-CT106 Rhode Island License No. 93 EPA I.D. No. CT00106



Report Date: 8/22/2001
Client Project ID: BEAC
York Project No.: 01080433

Enviroscience Consultants, Inc.
2150 Smithtown Avenue
Ronkonkoma, NY 11779
Attention: Mr. Peter Dermody

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 08/17/01. The project was identified as your project "BEAC".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			S-1	
York Sample ID			01080433-01	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
Volatiles-8260 list	SW846-8260	ug/Kg	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0
1,1-Dichloroethane			Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0
1,2,3-Trimethylbenzene			Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0
1,2-Dibromoethane			Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0
1,2-Dichloroethane			Not detected	5.0

YORK

Client Sample ID			S-1	
York Sample ID			01080433-01	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
1,2-Dichloroethylene (Total)			Not detected	5.0
1,2-Dichloropropane			Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0
1,3-Dichloropropane			Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0
1-Chlorohexane			Not detected	5.0
2,2-Dichloropropane			Not detected	5.0
2-Chlorotoluene			Not detected	5.0
4-Chlorotoluene			Not detected	5.0
Benzene			Not detected	5.0
Bromobenzene			Not detected	5.0
Bromochloromethane			Not detected	50
Bromodichloromethane			Not detected	50
Bromoform			Not detected	5.0
Bromomethane			Not detected	50
Carbon tetrachloride			Not detected	5.0
Chlorobenzene			Not detected	5.0
Chloroethane			Not detected	5.0
Chloroform			Not detected	50
Chloromethane			Not detected	50
cis-1,3-Dichloropropylene			Not detected	5.0
Dibromochloromethane			Not detected	5.0
Dibromomethane			Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0
Ethylbenzene			Not detected	5.0
Hexachlorobutadiene			Not detected	5.0
Isopropylbenzene			Not detected	5.0
Methylene chloride			Not detected	5.0
Naphthalene			Not detected	5.0
n-Butylbenzene			Not detected	5.0
n-Propylbenzene			Not detected	5.0
o-Xylene			Not detected	5.0
p- & m-Xylenes			Not detected	5.0
p-Isopropyltoluene			Not detected	5.0
sec-Butylbenzene			Not detected	5.0
Styrene			Not detected	5.0
tert-Butylbenzene			Not detected	5.0
Tetrachloroethylene			Not detected	5.0
Toluene			Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0
Trichloroethylene			Not detected	5.0
Trichlorofluoromethane			Not detected	5.0
Vinyl chloride			Not detected	50

Units Key:

For Waters/Liquids: mg/L = ppm ; ug/L = ppb

For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

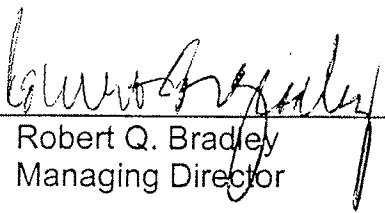
YORK

Report Date: 8/22/2001
Client Project ID: BEAC
York Project No.: 01080433

Notes for York Project No. 01080433

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: _____


Robert Q. Bradley
Managing Director

Date: 8/22/2001

YORK

EXHIBIT I

ENVIROSCIENCE CONSULTANTS, INC.

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November 19, 2002

Mr. Joe Jones
New York State Department
of Environmental Conservation
Bureau of Eastern Remedial Action
625 Broadway
Albany, NY 12233-7015

Re: 118-130 Swalm Street, Westbury, NY

Dear Mr. Jones:

As per our letter to you dated August 15, 2002, Enviroscience has completed the off-site groundwater investigation related to the above-referenced site. The purpose of the investigation was to determine if the groundwater in the area downgradient of the subject site contains significant concentrations of contaminants.

Previous investigations of the subject site have shown the presence of volatile organic compounds (primarily tetrachloroethylene, also known as perchloroethylene, or PCE) in the groundwater in and around the subject site. In 1995, New York State Department of Environmental Conservation (NYSDEC) contractors found PCE in the groundwater on the downgradient side of the site at concentrations of up to 1800 ppb in the shallow groundwater. However, a follow-up investigation performed by the NYSDEC contractors the following year showed that PCE was detected at the upgradient boundary of the site at a concentration of 160 ppb. In addition, a well located off site and an estimated 200 feet directly upgradient of the site showed PCE concentrations of 61 ppb in 1993 and 56 ppb in 1995. The source of the upgradient contamination has never been identified.

Based on more recent investigations, the concentrations of PCE in the groundwater have decreased significantly and it is the opinion of Enviroscience that a significant plume no longer exists in the groundwater beneath the site. For example, 1995 sample location GP-226 showed a PCE concentration of 1,600 ppb. Resampling in 1999 showed a maximum concentration at that location of 42 ppb.

To evaluate the concentrations in the downgradient groundwater, Enviroscience performed Geoprobe groundwater sampling at 10 locations (as shown on attached Figure 1). The samples were obtained on September 11, 13, and 16, 2002. At each location, samples were obtained from the water table (which was present at approximately 63 feet below grade), at 15 to 20 feet below the water table, and at six locations a deeper sample

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was also obtained from approximately 30 to 34 feet below the water table. The results of the sampling are presented in Table 1 (the laboratory report is presented in Attachment A) and show that the primary volatile organic compound detected was PCE.

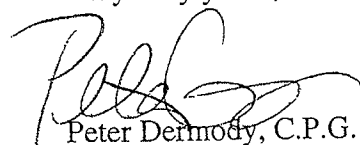
The results show that the PCE detected was found at concentrations that are significantly lower than the concentrations detected during the 1995 sampling at the site when concentrations of up to 1,800 ppb were detected. The maximum concentration detected during this most recent investigation was 110 ppb at GP-8 and 67 ppb at GP-7. The downgradient samples extended to a distance of approximately 900 feet from the subject site and no indication of a significant plume was found.

Enviroscience has evaluated the plume migration to determine the expected present location of the PCE that was detected in the groundwater in 1995 at the site. Based on the Remedial Investigation/Feasibility Study performed for the New Cassel Industrial Area prepared by the NYSDEC contractor and dated September, 2000, the hydraulic gradient is reported to be 0.0006 and the hydraulic conductivity is reported to average 162 feet per day in the shallow zone (the hydraulic conductivity is reported to decrease with depth). Using this information and an estimated effective porosity of 0.3, the groundwater pore velocity has been calculated to be 0.32 feet per day. Assuming that the retardation factor for PCE will range from 1 (no retardation) to 5, the PCE that was detected beneath the subject site in 1995 is expected to have migrated downgradient a distance of between 166 and 828 feet from the site (assuming a seven year travel time). Since the sampling was performed to a distance from approximately 200 to 900 feet downgradient of the site and no significant plume was detected (there was a decrease from the 1995 concentrations of one to two orders of magnitude), it can be concluded that a significant plume is no longer present in the aquifer in the area at or downgradient of the site.

Based on all sampling performed to date related to the site, it can be concluded that the evidence supports the theory that a release of PCE occurred upgradient of the site. The release was of limited quantity and appears to have occurred over a relatively short period of time. The contamination moved through the groundwater beneath the subject site and since there was no significant source area, the concentrations in the groundwater rapidly decreased over time. Advection, dispersion, and natural biodegradation have acted to decrease the original concentrations. Therefore, we request that no further work be required for the site.

Should you have any questions, please do not hesitate to call.

Very truly yours,



Peter Dermody, C.P.G.
Senior Hydrogeologist

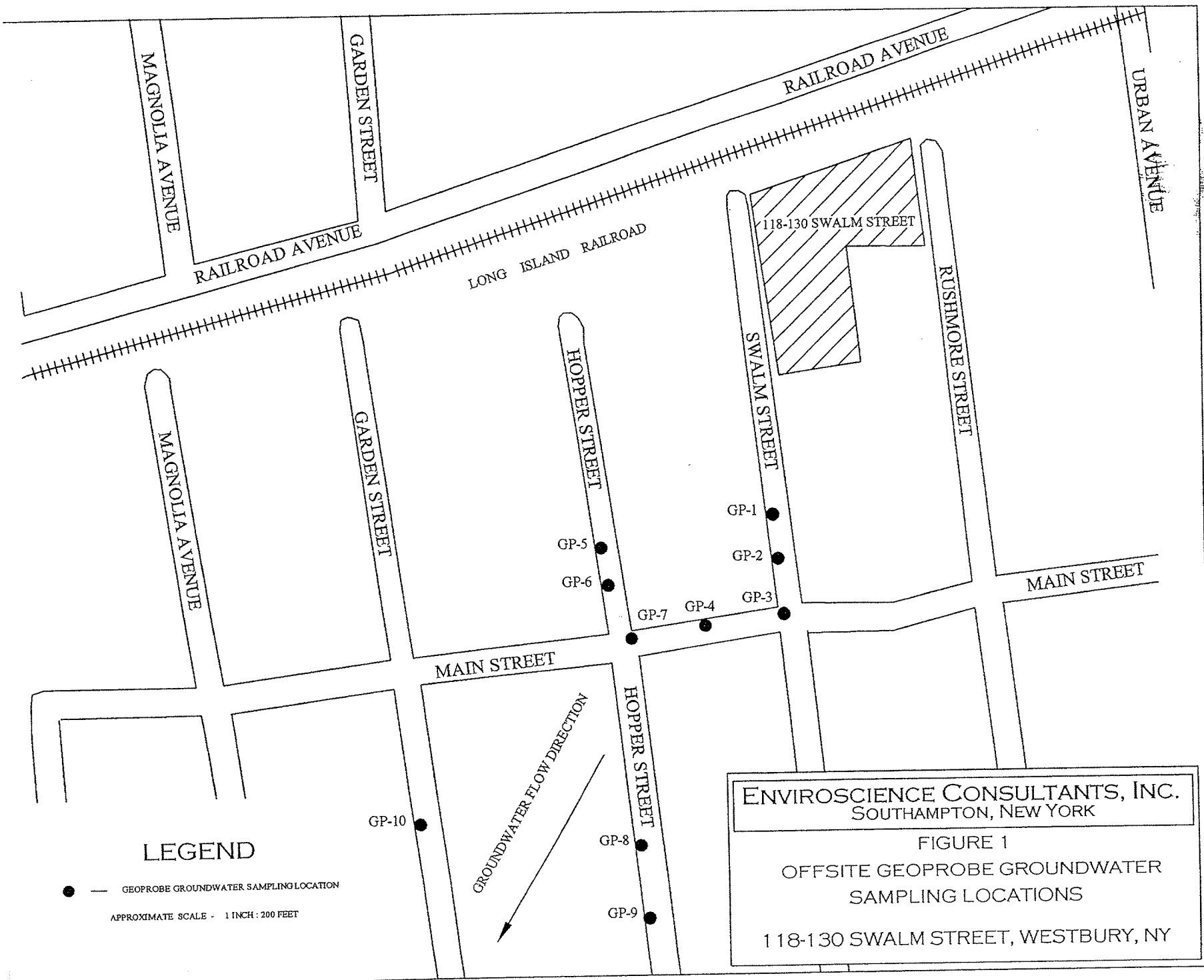


Table 1
Chemical Analytical Results
118-130 Swalm Street, Westbury, NY

September 11,13 & 16, 2002

Sample Location	GP-1		GP-2		GP-3			GP-4			NYSDEC Class GA Ambient Water Quality Standards
Depth	65-69	85-89	63-65	80-82	63-65	80-82	95-97	63-65	80-82	95-97	
<i>Volatile Organic Compounds (in micrograms per liter)</i>											
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	7
1,1 - Dichloroethane	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	5*
1,2 - Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5*
Tetrachloroethylene	13	ND	6	ND	5	2	1	51	34	5	5*
1,1,1 - Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5*
Trichloroethylene	ND	ND	ND	ND	ND	ND	ND	4	ND	2	5*

Sample Location	GP-5		GP-5A	GP-6A	GP-6			GP-7			NYSDEC Class GA Ambient Water Quality Standards
Depth	63-65	80-82	80-82	95-97	63-63	80-82	95-97	63-65	80-82	95-97	
<i>Volatile Organic Compounds (in micrograms per liter)</i>											
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7
1,1 - Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5*
1,2 - Dichloroethylene	ND	ND	ND	ND	45(cis-)	ND	ND	ND	1 (cis-)	ND	5*
Tetrachloroethylene	ND	2	2	7	ND	40	12	3	65	67	5*
1,1,1 - Trichloroethane	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	5*
Trichloroethylene	ND	ND	ND	ND	11	ND	ND	2	2	2	5*

Table 1 (Continued)
Chemical Analytical Results
118-130 Swalm Street, Westbury, NY

September 11, 13 & 16, 2002

Sample Location	GP-8		GP-9			GP-10		NYSDEC Class GA Ambient Water Quality Standards
Depth	63-65	80-82	63-65	80-82	95-97	63-65	80-82	
<i>Volatile Organic Compounds (in micrograms per liter)</i>								
Chloroform	ND	ND	ND	ND	ND	ND	ND	7
1,1 - Dichloroethane	ND	3	ND	ND	ND	ND	ND	5*
1,2 - Dichloroethylene	21 (cis-)	4 (cis-)	ND	ND	ND	ND	ND	5*
Tetrachloroethylene	9	110	ND	14	ND	ND	ND	5*
1,1,1 - Trichloroethane	ND	ND	ND	ND	ND	ND	ND	5*
Trichloroethylene	26	11	3	2	7	ND	ND	5*

Notes:

Results are reported in micrograms per liter.

ND = Not detected

* = The Principal Organic Contaminant Standard applies to this compound.

Bold values indicate an exceedance of the New York State Department of Environmental Conservation (NYSDEC) Class GA Ambient Water Quality Standard.

Attachment A

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for

Enviroscience Consultants, Inc.
33 Flying Point Road
Suite 208
Southampton, NY 11968
Attention: Greg Menegio

Report Date: 9/23/2002
Re: Client Project ID: BEAC
York Project No.: 02090374

CT License No. PH-0723 New York License No. 10854 Mass. License No. M-CT106 Rhode Island License No. 93 EPA I.D. No. CT00106



Report Date: 9/23/2002
 Client Project ID: BEAC
 York Project No.: 02090374

Enviroscience Consultants, Inc.
 33 Flying Point Road
 Suite 208
 Southhampton, NY 11968
 Attention: Greg Menegio

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 09/12/02. The project was identified as your project "BEAC".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			TB-9/11/02		GP-1/85-89	
York Sample ID			02090374-01		02090374-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1

YORK

Client Sample ID			TB-9/11/02		GP-1/85-89	
York Sample ID			02090374-01		02090374-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			Not detected	1	Not detected	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1

YORK

Client Sample ID			GP-1/65-69		GP-2/80-82	
York Sample ID			02090374-03		02090374-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1

YORK

Client Sample ID			GP-1/65-69		GP-2/80-82	
York Sample ID			02090374-03		02090374-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			13	1	Not detected	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1

Client Sample ID			GP-2/63-65		GP-3/95-97	
York Sample ID			02090374-05		02090374-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1

YORK

Client Sample ID			GP-2/63-65		GP-3/95-97	
York Sample ID			02090374-05		02090374-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			6	1	1	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1

Client Sample ID			GP-3/80-82		GP-3/63-65	
York Sample ID			02090374-07		02090374-08	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1

YORK

Client Sample ID			GP-3/80-82		GP-3/63-65	
York Sample ID			02090374-07		02090374-08	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			2	1	5	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1

YORK

Client Sample ID			EB-9/11/02	
York Sample ID			02090374-09	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---
1,1,1,2-Tetrachloroethane			Not detected	1
1,1,1-Trichloroethane			Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1
1,1,2-Trichloroethane			Not detected	1
1,1-Dichloroethane			Not detected	1
1,1-Dichloroethylene			Not detected	1
1,1-Dichloropropylene			Not detected	1
1,2,3-Trichlorobenzene			Not detected	1
1,2,3-Trichloropropane			Not detected	1
1,2,3-Trimethylbenzene			Not detected	1
1,2,4-Trichlorobenzene			Not detected	1
1,2,4-Trimethylbenzene			Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1
1,2-Dibromoethane			Not detected	1
1,2-Dichlorobenzene			Not detected	1
1,2-Dichloroethane			Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1
1,2-Dichloropropane			Not detected	1
1,3,5-Trimethylbenzene			Not detected	1
1,3-Dichlorobenzene			Not detected	1
1,3-Dichloropropane			Not detected	1
1,4-Dichlorobenzene			Not detected	1
1-Chlorohexane			Not detected	1
2,2-Dichloropropane			Not detected	1
2-Chlorotoluene			Not detected	1
4-Chlorotoluene			Not detected	1
Benzene			Not detected	1
Bromobenzene			Not detected	1
Bromochloromethane			Not detected	1
Bromodichloromethane			Not detected	1
Bromoform			Not detected	1
Bromomethane			Not detected	1
Carbon tetrachloride			Not detected	1
Chlorobenzene			Not detected	1
Chloroethane			Not detected	1
Chloroform			Not detected	1
Chloromethane			Not detected	1
cis-1,3-Dichloropropylene			Not detected	1
Dibromochloromethane			Not detected	1
Dibromomethane			Not detected	1
Dichlorodifluoromethane			Not detected	1
Ethylbenzene			Not detected	1
Hexachlorobutadiene			Not detected	1
Isopropylbenzene			Not detected	1
Methylene chloride			Not detected	1
Naphthalene			Not detected	1
n-Butylbenzene			Not detected	1
n-Propylbenzene			Not detected	1
o-Xylene			Not detected	1
p- & m-Xylenes			Not detected	1

YORK

Client Sample ID			EB-9/11/02	
York Sample ID			02090374-09	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
p-Isopropyltoluene			Not detected	1
sec-Butylbenzene			Not detected	1
Styrene			Not detected	1
tert-Butylbenzene			Not detected	1
Tetrachloroethylene			Not detected	1
Toluene			Not detected	1
trans-1,3-Dichloropropylene			Not detected	1
Trichloroethylene			Not detected	1
Trichlorofluoromethane			Not detected	1
Vinyl chloride			Not detected	1

Units Key:

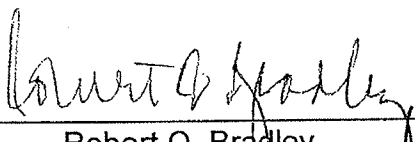
For Waters/Liquids: mg/L = ppm ; ug/L = ppb

For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

Notes for York Project No. 02090374

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By:


Robert Q. Bradley
Managing Director

Date: 9/23/2002

YORK

YORK

ANALYTICAL LABORATORIES, INC.

ONE RESEARCH DRIVE

STAMFORD, CT 06906

(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

<u>Company Name</u> Enviroscience Consultants	<u>Report To:</u> Greg Menegio	<u>Invoice To:</u> same	<u>Project ID/No.</u> BEAC	<u>Signature</u> Lori Mead Samples Collected By. (Signature)
				<u>Name (Printed)</u> Lori Mead

Sample No.	Location/ID	Date Sampled	Sample Matrix				ANALYSES REQUESTED	Container Description(s)
			Water	Soil	Air	OTHER		
1	TB-9/11/02	9/11/02 800	X				VOCs by method 8260	2-40mL HCl
2	GP-1/85-89	945	X				MS-MSD	6-40mL HCl
3	GP-1/65-69	955	X					2-40mL HCl
4	GP-2/80-82	1210	X					
5	GP-2/63-65	1220	X					
6	GP-3/95-97	1445	X					
7	GP-3/80-82	1510	X					
8	GP-3/63-65	1545	X					
9	EB-9/11/02	9/11/02 1530	X				VOCs by method 8260	2-40mL HCl

Chain-of-Custody Record

<u>Bottles Relinquished from Lab by</u> Lori Mead	<u>Date/Time</u> 9/11/02 800	<u>Sample Relinquished by</u> Wayne	<u>Date/Time</u> 9/12/02 1015	<u>Sample Received by</u> JP	<u>Date/Time</u> 9/12/02
<u>Bottles Received in Field by</u>	<u>Date/Time</u>	<u>Sample Relinquished by</u>	<u>Date/Time</u>	<u>Sample Received in LAB by</u>	<u>Date/Time</u>

Comments/Special Instructions

NINE TRC CATR Delinprable start of SDA-1

Turn-Around Time

Standard

RUSH (define)

YORK

ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for

Enviroscience Consultants, Inc.
33 Flying Point Road
Suite 208
Southampton, NY 11968
Attention: Greg Menegio

Report Date: 9/27/2002
Re: Client Project ID: BEAC
York Project No.: 02090464

CT License No. PH-0723 New York License No. 10854 Mass. License No. M-CT106 Rhode Island License No. 93 EPA I.D. No. CT00106



ONE RESEARCH DRIVE STAMFORD, CT 06906 (203) 325-1371 FAX (203) 357-0166

Page 1 of 10

Report Date: 9/27/2002
Client Project ID: BEAC
York Project No.: 02090464

Enviroscience Consultants, Inc.
33 Flying Point Road
Suite 208
Southampton, NY 11968
Attention: Greg Menegio

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 09/16/02. The project was identified as your project "BEAC".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			TB-9/13/02		GP-4/95-97	
York Sample ID			02090464-01		02090464-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1

YORK

Client Sample ID			TB-9/13/02		GP-4/95-97	
York Sample ID			02090464-01		02090464-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			Not detected	1	5	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	2	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1

YORK

Client Sample ID			GP-4/80-82		GP-4/63-65	
York Sample ID			02090464-03		02090464-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	1	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			1	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1

YORK

Client Sample ID			GP-4/80-82		GP-4/63-65	
York Sample ID			02090464-03		02090464-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			34	1	51	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	4	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1

Client Sample ID			GP-7/95-97		GP-7/80-82	
York Sample ID			02090464-05		02090464-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	1(cis-)	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1

YORK

Client Sample ID			GP-7/95-97		GP-7/80-82	
York Sample ID			02090464-05		02090464-06	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			67	1	65	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			2	1	2	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1

Client Sample ID			GP-7/63-65		GP-5/80-82	
York Sample ID			02090464-07		02090464-08	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1

YORK

Client Sample ID			GP-7/63-65		GP-5/80-82	
York Sample ID			02090464-07		02090464-08	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			3	1	2	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			2	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1

YORK

Client Sample ID			GP-5A/80-82		GP-5/63-65	
York Sample ID			02090464-09		02090464-10	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,1-Trichloroethane			Not detected	1	Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1	Not detected	1
1,1,2-Trichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethane			Not detected	1	Not detected	1
1,1-Dichloroethylene			Not detected	1	Not detected	1
1,1-Dichloropropylene			Not detected	1	Not detected	1
1,2,3-Trichlorobenzene			Not detected	1	Not detected	1
1,2,3-Trichloropropane			Not detected	1	Not detected	1
1,2,3-Trimethylbenzene			Not detected	1	Not detected	1
1,2,4-Trichlorobenzene			Not detected	1	Not detected	1
1,2,4-Trimethylbenzene			Not detected	1	Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1	Not detected	1
1,2-Dibromoethane			Not detected	1	Not detected	1
1,2-Dichlorobenzene			Not detected	1	Not detected	1
1,2-Dichloroethane			Not detected	1	Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1	Not detected	1
1,2-Dichloropropane			Not detected	1	Not detected	1
1,3,5-Trimethylbenzene			Not detected	1	Not detected	1
1,3-Dichlorobenzene			Not detected	1	Not detected	1
1,3-Dichloropropane			Not detected	1	Not detected	1
1,4-Dichlorobenzene			Not detected	1	Not detected	1
1-Chlorohexane			Not detected	1	Not detected	1
2,2-Dichloropropane			Not detected	1	Not detected	1
2-Chlorotoluene			Not detected	1	Not detected	1
4-Chlorotoluene			Not detected	1	Not detected	1
Benzene			Not detected	1	Not detected	1
Bromobenzene			Not detected	1	Not detected	1
Bromochloromethane			Not detected	1	Not detected	1
Bromodichloromethane			Not detected	1	Not detected	1
Bromoform			Not detected	1	Not detected	1
Bromomethane			Not detected	1	Not detected	1
Carbon tetrachloride			Not detected	1	Not detected	1
Chlorobenzene			Not detected	1	Not detected	1
Chloroethane			Not detected	1	Not detected	1
Chloroform			Not detected	1	Not detected	1
Chloromethane			Not detected	1	Not detected	1
cis-1,3-Dichloropropylene			Not detected	1	Not detected	1
Dibromochloromethane			Not detected	1	Not detected	1
Dibromomethane			Not detected	1	Not detected	1
Dichlorodifluoromethane			Not detected	1	Not detected	1
Ethylbenzene			Not detected	1	Not detected	1
Hexachlorobutadiene			Not detected	1	Not detected	1
Isopropylbenzene			Not detected	1	Not detected	1
Methylene chloride			Not detected	1	Not detected	1
Naphthalene			Not detected	1	Not detected	1
n-Butylbenzene			Not detected	1	Not detected	1
n-Propylbenzene			Not detected	1	Not detected	1
o-Xylene			Not detected	1	Not detected	1
p- & m-Xylenes			Not detected	1	Not detected	1

YORK

Client Sample ID			GP-5A/80-82		GP-5/63-65	
York Sample ID			02090464-09		02090464-10	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
p-Isopropyltoluene			Not detected	1	Not detected	1
sec-Butylbenzene			Not detected	1	Not detected	1
Styrene			Not detected	1	Not detected	1
tert-Butylbenzene			Not detected	1	Not detected	1
Tetrachloroethylene			2	1	Not detected	1
Toluene			Not detected	1	Not detected	1
trans-1,3-Dichloropropylene			Not detected	1	Not detected	1
Trichloroethylene			Not detected	1	Not detected	1
Trichlorofluoromethane			Not detected	1	Not detected	1
Vinyl chloride			Not detected	1	Not detected	1

Client Sample ID			EB-9/13/02	
York Sample ID			02090464-11	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Volatiles-8260 list	SW846-8260	ug/L	---	---
1,1,1,2-Tetrachloroethane			Not detected	1
1,1,1-Trichloroethane			Not detected	1
1,1,2,2-Tetrachloroethane			Not detected	1
1,1,2-Trichloroethane			Not detected	1
1,1-Dichloroethane			Not detected	1
1,1-Dichloroethylene			Not detected	1
1,1-Dichloropropylene			Not detected	1
1,2,3-Trichlorobenzene			Not detected	1
1,2,3-Trichloropropane			Not detected	1
1,2,3-Trimethylbenzene			Not detected	1
1,2,4-Trichlorobenzene			Not detected	1
1,2,4-Trimethylbenzene			Not detected	1
1,2-Dibromo-3-chloropropane			Not detected	1
1,2-Dibromoethane			Not detected	1
1,2-Dichlorobenzene			Not detected	1
1,2-Dichloroethane			Not detected	1
1,2-Dichloroethylene (Total)			Not detected	1
1,2-Dichloropropane			Not detected	1
1,3,5-Trimethylbenzene			Not detected	1
1,3-Dichlorobenzene			Not detected	1
1,3-Dichloropropane			Not detected	1
1,4-Dichlorobenzene			Not detected	1
1-Chlorohexane			Not detected	1
2,2-Dichloropropane			Not detected	1
2-Chlorotoluene			Not detected	1
4-Chlorotoluene			Not detected	1
Benzene			Not detected	1
Bromobenzene			Not detected	1
Bromochloromethane			Not detected	1
Bromodichloromethane			Not detected	1
Bromoform			Not detected	1
Bromomethane			Not detected	1
Carbon tetrachloride			Not detected	1

YORK

Client Sample ID			EB-9/13/02	
York Sample ID			02090464-11	
Matrix			WATER	
Parameter	Method	Units	Results	MDL
Chlorobenzene			Not detected	1
Chloroethane			Not detected	1
Chloroform			Not detected	1
Chloromethane			Not detected	1
cis-1,3-Dichloropropylene			Not detected	1
Dibromochloromethane			Not detected	1
Dibromomethane			Not detected	1
Dichlorodifluoromethane			Not detected	1
Ethylbenzene			Not detected	1
Hexachlorobutadiene			Not detected	1
Isopropylbenzene			Not detected	1
Methylene chloride			Not detected	1
Naphthalene			Not detected	1
n-Butylbenzene			Not detected	1
n-Propylbenzene			Not detected	1
o-Xylene			Not detected	1
p- & m-Xylenes			Not detected	1
p-Isopropyltoluene			Not detected	1
sec-Butylbenzene			Not detected	1
Styrene			Not detected	1
tert-Butylbenzene			Not detected	1
Tetrachloroethylene			Not detected	1
Toluene			Not detected	1
trans-1,3-Dichloropropylene			Not detected	1
Trichloroethylene			Not detected	1
Trichlorofluoromethane			Not detected	1
Vinyl chloride			Not detected	1

Units Key:

For Waters/Liquids: mg/L = ppm ; ug/L = ppb

For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

Notes for York Project No. 02090464

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: _____

Robert Q. Bradley
Managing Director

Date: 9/27/2002

YORK

YORK

ANALYTICAL LABORATORIES, INC.

ONE RESEARCH DRIVE

STAMFORD, CT 06906

(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

02040464

Page 1 of 2

Company Name Environmental Consultants	Report To: Greg Newegio	Invoice To: Same	Project ID/No. BEAC	Samples Collected By (Signature) <i>Lori mead</i>
				Name (Printed) Lori mead

Sample No.	Location/ID	Date Sampled	Time	Sample Matrix				ANALYSES REQUESTED	Container Description(s)
				Water	Soil	Air	OTHER		
1	TB-9/13/02	9/13/02	700	X				VOCs by Method 8260	2-40mL HCl
2	GP-4/95-97		815	X					
3	GP-4/80-82		830	X					
4	GP-4/63-65		910	X					
5	GP-7/95-97		1055	X					
6	GP-7/80-82		1135	X					
7	GP-7/63-65		1150	X					
8	GP-5/80-82		1430	X					
9	GP-SA/80-82		1430	X					
10	GP-5/63-65	9/13/02	1445	X				VOCs by Method 8260	2-40mL HCl

Chain-of-Custody Record		Sample Relinquished by <i>G. H. Farrell</i> Date/Time: 9/16/02-12H		Sample Received by <i>Wayne</i> Date/Time: 9/16 1200	
Bottles Relinquished from Lab by <i>Lori mead</i> Date/Time: 9/13/02 800		Sample Relinquished by Date/Time:		Sample Received in LAB by Date/Time: 9/16 0P	
Bottles Received in Field by Date/Time:		Sample Relinquished by Date/Time:		Sample Received in LAB by Date/Time:	
Comments/Special Instructions NYDEC CATB Deliverables SP-1 continue SD6-1				Turn-Around Time 4.6	

02070464

Page 2 of 2

YORK

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STAMFORD, CT 06906

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Field Chain-of-Custody Record

[illegible]

YORK

ANALYTICAL LABORATORIES, INC.

ONE RESEARCH DRIVE
STAMFORD, CT 06906
(203) 325-1371
FAX (203) 357-0166

Laboratory Chain-of-Custody Recordfor York Project No. 02090464Date: 9/17/02page 1 of ALL SAMPLES RECEIVED IN PROPER CONDITION: YES ☒ NO ☐BY: JRDate: 9/16/02

Lab Sample No.	Removed By	Date&Time	Reason (check and enter reason)		Date & Time Returned	
02090464-01-911	SS	9/26/02 10:00AM	Extraction for <input type="checkbox"/> Prep. for <input checked="" type="checkbox"/> Analysis for <input type="checkbox"/>	✓ OK		<input type="checkbox"/> Consumed
			Extraction for <input type="checkbox"/> Prep. for <input type="checkbox"/> Analysis for <input type="checkbox"/>			<input type="checkbox"/> Consumed
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			Extraction for <input type="checkbox"/> Prep. for <input type="checkbox"/> Analysis for <input type="checkbox"/>			<input type="checkbox"/> Consumed

Remarks

YORK

ANALYTICAL LABORATORIES, INC.

ONE RESEARCH DRIVE
STAMFORD, CT 06906
(203) 325-1371
FAX (203) 357-0166

Laboratory Chain-of-Custody Record

for York Project No. 02090464

Date: 9/17/02

page 1 of

ALL SAMPLES RECEIVED IN PROPER CONDITION: YES ☒ NO ☐

BY: JRZ

Date: 9/16/02

Lab Sample No.	Removed By	Date&Time	Reason (check and enter reason)		Date & Time Returned	
02090464-01-911	SS	9/26/02 10:00AM	<input type="checkbox"/> Extraction for	<input type="checkbox"/> Prep. for <input checked="" type="checkbox"/> Analysis for	<u>✓</u>	<input type="checkbox"/> Consumed
			<input type="checkbox"/> Extraction for	<input type="checkbox"/> Prep. for <input type="checkbox"/> Analysis for		<input type="checkbox"/> Consumed
			<input type="checkbox"/> Extraction for	<input type="checkbox"/> Prep. for <input type="checkbox"/> Analysis for		<input type="checkbox"/> Consumed
			<input type="checkbox"/> Extraction for	<input type="checkbox"/> Prep. for <input type="checkbox"/> Analysis for		<input type="checkbox"/> Consumed
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Remarks

FILE 17

YAL

2033570166

09/27/2002 12:26

EXHIBIT J

NEW YORK STATE SUPERFUND CONTRACT

SITE INVESTIGATION REPORT

New Cassel Industrial Area Site
North Hempstead, Nassau County

Site No. 130043

Work Assignment No. D002676-2.2

DATE: February 1995



Prepared for:

**New York State
Department of
Environmental Conservation**

50 Wolf Road, Albany, New York 12233
Langdon Marsh, *Commissioner*

Division of Hazardous Waste Remediation
Michael J. O'Toole, Jr., P.E., *Director*

By:
Lawler, Matusky & Skelly Engineers

6.2.3 Clean Areas

Geoprobe and well sample results indicate that the (approximate) western half of the western section is free of significant (greater than 100 ppb total PCEs, TCAs, or BTEX) VOC groundwater contamination. This area consists of the four properties in Block 330 (460, 468, 474, and 482 Grand Boulevard), Blocks 69 and 141 (the two blocks located between Grand Street and Magnolia Avenue), Block 143 (located between Magnolia Avenue and Garden Street, north of Main Street), Block 144 north of 299 Main Street (between Garden and Hopper streets); Blocks 145, 164, 174, all north of the properties that front along the north side of Main Street; Block 74 between Rushmore and Urban Avenue; the southern half of Block 73; and finally the northern half of Tax Block 70. Several areas in the western section still have insufficient data to determine whether the property should be classified as a source or a clean area. These areas include the southern half of Blocks 71 and 72 and the southeast quadrant of Block 70. The property at 474 Grand Boulevard was subjected to an IRM in 1993 due to two leaking alcohol tanks located at the rear of the building. These tanks reportedly contained none of the VOCs tested for during this study. GP-28, located downgradient from this property, did not encounter any VOC contamination.

6.3 CENTRAL SECTION

The central section of the site is bounded on the west by Urban Avenue, on the east by Bond Street, on the north by the Long Island Rail Road, and on the south by Old Country Road. Extensive total TCA and moderately extensive total DCE contamination was detected in groundwater beneath this portion of the site; no BTEX contamination was detected beneath this section. It appears that there are three separate contaminant plumes in groundwater beneath this section and a single monitoring well (N-9938) that exhibits elevated concentrations of target compounds. Figures 6-8 through 6-20 present the plume maps.

6.3.1 125 State Street Plume

A total TCA plume detected in the vicinity of GP-30 exists below most of Block 181 and the northwest corner of Block 161 (Figures 6-8 through 6-10). The upgradient edge is coincident with 125 State Street. The downgradient edge is possibly in the vicinity of New York Avenue, although this boundary is tentative based on GP-59, -53, and -54 located cross-gradient in the Sylvester Street/New York Avenue block. The western edge is defined by wells GRAYCO MW-3 and ADCHEM-MW-1; the eastern edge is defined by wells N-11842, ADCHEM-MW-2 and NC-4, and GP-85.

- Bilt-Rite Steel-Buck, 95 Hopper Street (Tax Block 71, lots 9-15 and 50-58), and Bilt-Rite Elevator, 90 Hopper Street (Tax Block 71, lots 14-17 and 59-62). These two addresses also exhibit high downgradient vs upgradient concentrations. Both use large quantities of paints and thinners, but the file review information does not specify types. These addresses should be considered as suspected hazardous waste sites based on high downgradient concentrations.

7.1.2 570 Main Street Plume

This total PCE plume falls roughly between NYT MW-2 and GP-99, then between N-11847 and GP-37. Along its western extent it likely overlaps with the Garden Street/Hopper Street plume. Two properties appear to be the source of this plume.

- Former IMC Magnetics facility, 570 Main Street (Tax Block 73, lots 1-12 and 63-75). This property, which currently houses Castle Collision, was used by IMC Magnetics for a number of years. IMC Magnetics reportedly used up to 810 gal of TCE per year. Three separate source areas and a number of floor drains have been observed at the site. These source areas contain elevated levels of target compounds and metals (TCA concentrations up to 668 ppb and PCE concentrations up to 14%). The upgradient sampling point (NC-17) for this property did not detect TCE or PCE, while the downgradient sample contained TCE at 220 ppb and PCE at 55 ppb. This address should be listed as a hazardous waste site. An IRM should also be conducted to remove the most heavily contaminated source areas that may be impacting the groundwater.
- Atlas Graphics, 567 Main Street (Tax Block 164, lot 66). This address has a reported use of 312 gal/year of TCE by Atlas Graphics and a documented discharge of TCE to a cesspool in 1977. The downgradient point (GP-20) showed elevated concentrations of TCE (220 ppb) and PCE (55 ppb), while the upgradient sample showed concentrations of TCE at 38 ppb and PCE at 12 ppb. This address is recommended to be listed as a hazardous waste site.

7.1.3 Clean Areas in Western Section

Based on data collected during the site investigation, a large portion of the western section can be delisted as these areas are free of significant VOC groundwater contamination. These areas include the addresses that fall within Block 330 (460, 468, and 482 Grand Boulevard); Blocks 69 and 141 (area between Grand Street and Magnolia Avenue); Block 143; Block 144 north of 299 Main Street; Blocks 145, 164 (except lot 66), 174, and 178 north of the properties along Main Street; Block 74, and Block 174.

EXHIBIT K



Department of Environmental Conservation

Division of Environmental Remediation

Record of Decision

118-130 Swalm Street Site

Town of North Hempstead, Nassau County

New York

Site Number 1-30-043 P

March 2004

New York State Department of Environmental Conservation
GEORGE E. PATAKI, Governor

ERIN M. CROTTY, Commissioner

DECLARATION STATEMENT - RECORD OF DECISION

118-130 Swalm Street Inactive Hazardous Waste Disposal Site Town of North Hempstead, Nassau County, New York Site No. 1-30-043 P

Statement of Purpose and Basis

The Record of Decision (ROD) presents the selected remedy for the 118-130 Swalm Street site, a Class 2 inactive hazardous waste disposal site. The selected remedial program was chosen in accordance with the New York State Environmental Conservation Law and is not inconsistent with the National Oil and Hazardous Substances Pollution Contingency Plan of March 8, 1990 (40CFR300), as amended.

This decision is based on the Administrative Record of the New York State Department of Environmental Conservation (NYSDEC) for the 118-130 Swalm Street inactive hazardous waste disposal site, and the public's input to the Proposed Remedial Action Plan (PRAP) presented by the NYSDEC. A listing of the documents included as a part of the Administrative Record is included in Appendix B of the ROD.

Assessment of the Site

This site does not present a current or potential threat to public health or the environment.

Description of Selected Remedy

Based on the results of the Remedial Investigation (RI) for the 118-130 Swalm Street site, the NYSDEC has selected No Action with continued groundwater and soil vapor monitoring as the remedy for this site. In addition, the NYSDEC will reclassify the site to a Class 4 site on the New York State Registry of Inactive Hazardous Waste Disposal Sites. The components of the remedy are as follows:

- Initial sampling of groundwater monitoring wells.
- Subsequent periodic sampling of groundwater monitoring wells until the NYSDEC determines that further monitoring is not necessary.
- A soil vapor monitoring program designed to evaluate whether residual contamination exists and address threats which it could present.

New York State Department of Health Acceptance

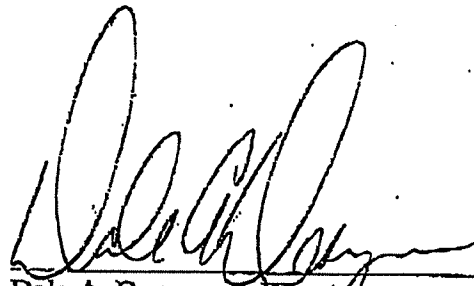
The New York State Department of Health (NYSDOH) concurs that the remedy selected for this site is protective of human health.

Declaration

The selected remedy is protective of human health and the environment, complies with State and Federal requirements that are legally applicable or relevant and appropriate to the remedial action to the extent practicable, and is cost effective. This remedy utilizes permanent solutions and alternative treatment or resource recovery technologies, to the maximum extent practicable, and satisfies the preference for remedies that reduce toxicity, mobility, or volume as a principal element.

MAR 29 2004

Date



Dale A. Desnoyers, Director
Division of Environmental Remediation

RECORD OF DECISION

118-130 Swalm Street Site
Town of North Hempstead, Nassau County, New York
Site No. 1-30-043 P
March 2004

SECTION 1: SUMMARY OF THE RECORD OF DECISION

The New York State Department of Environmental Conservation (NYSDEC), in consultation with the New York State Department of Health (NYSDOH), has selected a remedy for the 118-130 Swalm Street site, a class 2 inactive hazardous waste disposal site. As more fully described in Sections 3 and 4 of this document, mechanical engraving and plastic extrusion operations at the site have resulted in the disposal of hazardous wastes, including tetrachloroethene (PCE) and 1,1,1-trichloroethane (1,1,1-TCA) at the site. These disposal activities resulted in the following significant threats to the public health and/or the environment:

- a significant threat to human health and the environment associated with this site's contravention of groundwater standards in a sole source aquifer.

The contaminated groundwater at the 118-130 Swalm Street Site and within the entire New Cassel Industrial Area (NCIA) presents a potential route of exposure to humans. The area is served by public water, however, the underlying aquifer is the source of the water supply for the Bowling Green Water District customers. A supplemental treatment system, an air stripping followed by carbon polishing, was constructed in 1996 to mitigate the impact of the groundwater contamination on the Bowling Green water supply wells. The Bowling Green water supply wells are routinely monitored for volatile organic contamination. Presently, no site specific contaminants exceeding drinking water standards have been detected in the water distributed to the public. Early warning monitoring wells have been installed south of Old Country Road, in locations downgradient of the NCIA inactive hazardous waste disposal sites and upgradient of the water supply wells as a precautionary measure. Because of the supplemental treatment system, use of the groundwater in the area is not currently considered an exposure pathway of concern. Additionally, existing use restrictions preventing the use of groundwater as a source of potable or process water without necessary water quality treatment are required by the Nassau County Department of Health (NCDH).

Currently, there are eleven (11) Class 2 sites in the NCIA. A Class 2 site is a site at which hazardous waste constitutes a significant threat to the environment or the public health and action is required. The NYSDEC has been using a three-prong strategy in remediating Class 2 sites in the NCIA. The first action identifies source areas at each site which will be remediated; the second action investigates groundwater contamination at and beneath each site and takes appropriate remedial measures; and the third action is consisted of a detailed Remedial Investigation (RI) of groundwater

contamination that is migrating off-site from all Class 2 sites within the NCIA that resulted in October 2003 Record of Decision entitled Off-site Groundwater, South of the New Cassel Industrial Area, Operable Unit 3.

Based on the findings of the investigation of this site, which indicate that there is no significant soil contamination on-site at this time and that the presence of hazardous waste at the site no longer poses a significant threat to human health or the environment, No Action with continued groundwater and soil vapor monitoring was selected as the remedy for this site. In addition, the NYSDEC will reclassify the site to a Class 4 site on the New York State Registry of Inactive Hazardous Waste Disposal Sites (Registry).

SECTION 2: SITE LOCATION AND DESCRIPTION

The 118-130 Swalm Street site is located on the east side of Swalm Street approximately 400 feet north of Main Street. The areal extent of the site is approximately 1.1 acres. The site contains one single-story masonry and steel building with an approximate footprint of 28,000 square feet. The remaining surface area of the site consists of asphalt parking areas and concrete walkways. The site topography is flat. See Figures 1 and 2.

The site is located in the New Cassel Industrial Area (NCIA), a 170 acre industrial and commercial area in the Town of North Hempstead, Nassau County. Currently, eleven (11) Class 2 sites exist in the NCIA. The NCIA is highly developed and no significant surface water sources exist near the site. The nearest surface waters are small ponds within the Eisenhower Memorial Park located about two miles southwest of the site.

SECTION 3: SITE HISTORY

3.1: Operational/Disposal History

The site was developed in 1961 with a one-story steel and masonry industrial building. The building initially contained a mechanical engraving company and a plastic extrusion company. The Barouh Eaton Allen Corporation took title of the site through Andrigal Enterprises on October 21, 1977. Subsequent tenants include All Records Distributors from 1971 to 1974, Allomatic Industries from 1979 to 1992, Louis Jordan Labs, a pharmaceutical company, from 1978 to 1980, Varitek Machine Co. from 1979 to 1992, and Atlas Graphics in 1985. The current tenant, Liqui-Mark Corporation, has occupied the building since June, 1994.

3.2: Remedial History

In 1997, the NYSDEC listed the site as a Class 2 site in the Registry of Inactive Hazardous Waste Disposal Sites in New York. A Class 2 site is a site where hazardous waste presents a significant threat to the public health or the environment and action is required.

In 1986, the NCDH completed an investigation of groundwater quality and found the NCIA to be a major source of volatile organic compound (VOC) contamination in groundwater. As a result of this investigation, the NYSDEC classified the entire NCIA as a Class 2 site in August 1988. The

EXHIBIT L

**Table 4.1: Summary of Volatile Organic Compounds Detected in Groundwater Samples
 (November 2008 through May 2010)**

			Parameter	Tetrachloroethene	Trichloroethene	1,1,1-Trichloroethane	2-Butanone	4-Methyl-2-pentanone	Acetone
			Units	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
			Criteria (µg/l)	5	5	5	50	NA	50
Location	Sample Date	Qc Code	Depth Range (ft. bgs)						
MW-1	11/11/2008	FD	52.70 - 62.70	0.51 J	1 U	1 U	0.48 J	0.23 J	3.7 J
MW-1	11/11/2008	FS		0.51 J	1 U	1 U	5 U	5 U	2.9 J
MW-1	5/20/2009	FS		0.53 J	1 U	1 U	5 U	5 U	10 U
MW-1	12/15/2009	FS		0.72 J	1 U	1 U	5 U	5 U	6.1 J
MW-1	5/19/2010	FS		0.43 J	1 UJ	1 UJ	5 UJ	5 UJ	2.3 J
MW-2	11/12/2008	FS	52.85 - 62.85	0.97 J	1 U	0.29 J	5 U	5 U	10 U
MW-2	5/20/2009	FD		2.3	1 U	1 U	5 U	5 U	10 U
MW-2	5/20/2009	FS		2.3	1 U	1 U	5 U	5 U	10 U
MW-2	12/15/2009	FS		3.9	1 U	1 U	5 U	5 U	2.2 J
MW-2	5/19/2010	FS		3.6 J	1 UJ	1 UJ	5 UJ	5 UJ	1.9 J
MW-3	11/12/2008	FS	52.6 - 62.6	14	4.7	1 U	5 U	5 U	10 U
MW-3	5/20/2009	FS		17	3.7	1 U	5 U	5 U	10 U
MW-3	12/15/2009	FS		12	4.5	1 U	5 U	5 U	3.4 J
MW-3	5/19/2010	FS		12 J	3 J	1 UJ	5 UJ	5 UJ	10 UJ

Notes:

EPA Method SW8260 was performed for all parameters

FD=Field Sample

FS=Field Duplicate

bgs= below ground surface

µg/l=micrograms per liter

J=Estimated Value

U=Not detected at a concentration greater than the reporting limit

Highlighted results exceed criteria

NA= No criteria available